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THE CHEMICAL MARKET AUTHORITY

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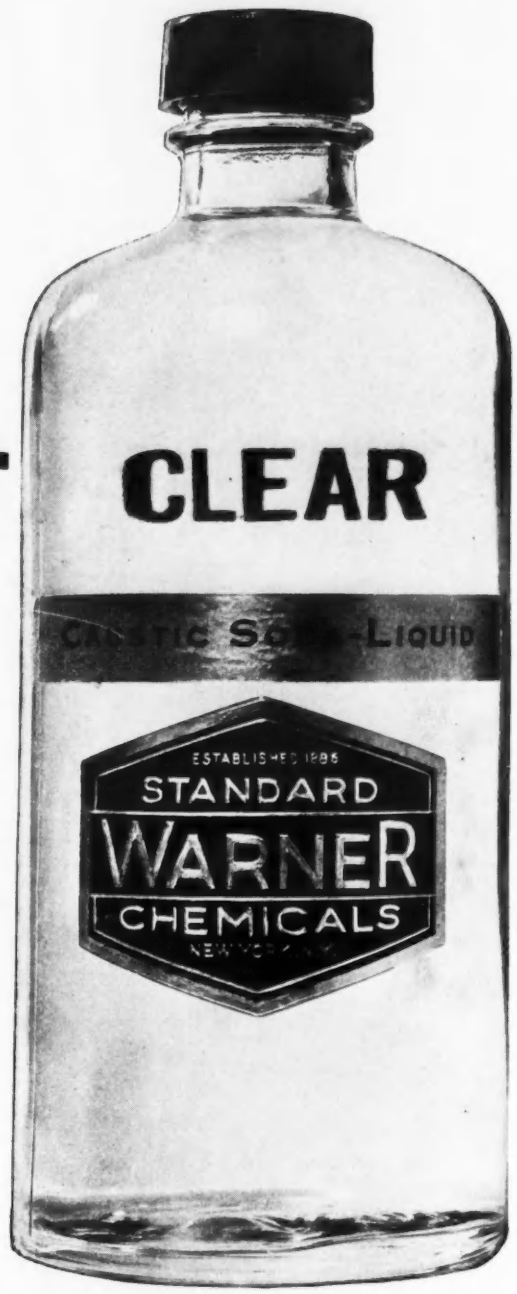

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Phosphate Conference Opens September 5

Phosphate needs of Western agriculture and general economy and the meeting of these through the development of regional deposits of phosphate rock will be discussed September 5 and 6 in a conference in the Hotel Ben Lomond, Ogden, Utah, arranged by the Association of Land-Grant Colleges and Universites committee on preservation of phosphate deposits and their national use. The discussions will comprise the views of agronomists, mineralogists, chemists, representatives of the fertilizer industry and of public utilities, and State and Federal politicians.

The sponsoring committee under the chairmanship of Dr. Elmer G. Peterson, president of Utah State Agricultural College, has issued the following tentative program for the conference:—

September 5

Forenoon Session—9:00 a.m.

Registration of delegates and visitors.
Opening of conference.
Introduction of delegates and guests.
Subject:—"Phosphate Need in American Agriculture."

"Needs for Phosphate in American Agriculture," Dr. W. H. Pierre, Department of Agronomy, Iowa State College.

"Phosphate in Human and Animal Health—A Critical Problem," Dr. T. S. Hamilton, Department of Animal Husbandry, University of Illinois.

Afternoon Session—2:00 p.m.

Chairman, Director Wilmon Newell, Provost of Agriculture, University of Florida

Subject:—"Results with Phosphate Fertilizers in the Western States."

"Field Results with Phosphate Fertilizers in Idaho," E. J. Iddings, director Agricultural Experiment Station, University of Idaho, and member of committee on preservation of phosphate deposits and their national use.

"Field Results in Utah," Prof. D. W. Pittman, associate agronomist, Utah Agricultural Experiment Station.

"Field Results in Wyoming," Dr. J. A. Hill, dean, College of Agriculture, University of Wyoming.

"Field Results with Sugar Beets in Utah and Idaho," J. E. Jensen, agricultural superintendent at West Jordan, Utah, Utah-Idaho Sugar Company.

—Continued on page 25

C.R. Wickard Nominated Secretary of Agriculture

OPD Washington Bureau
August 19, 1940

Claude R. Wickard has been nominated by President Roosevelt to succeed Henry Wallace as Secretary of Agriculture, to become effective September 5. Paul H. Appleby, assistant to Mr. Wallace since 1933, has been nominated as Under Secretary to succeed Mr. Wickard, a post he has held since last February.

Mr. Wickard was born in Carroll county, Ind., in 1893. While still attending high school, Mr. Wickard began farming with his father and he continued to be actively interested in the operation of the farm while attending Purdue University. In addition to his farming operations he was associated with Farm Bureau and other cooperative work in Indiana and did part-time work for the Indiana Extension Service.

In August, 1933, Mr. Wickard became assistant chief of the corn-hog section of the AAA and was named chief of the section in February, 1935. Following the inauguration of the agricultural conservation program in 1936, Mr. Wickard was named assistant director of the North Central division. He was named director of the division in November, 1936.

Before coming to Washington, Mr. Appleby had been an editor, editorial writer, and publisher, and his work had directly touched many phases of agriculture.

Biddle Purchasing Decree Enforcement Petitioned

OPD Washington Bureau
August 20, 1940

The Federal Trade Commission has filed a petition in the Federal Circuit Court for the Second District, asking for enforcement of a cease and desist decree of that court against the Biddle Purchasing Company, New York, for violation of the brokerage clause of the Robinson-Patman act. The petition, filed by the commission, asks:—

Wherefore, premises considered, the commission prays that the respondent be found and adjudged to have violated and to have failed and neglected to obey the aforesaid order to cease and desist and decree of this Court by engaging in each of the several practices described in paragraph 6 hereof, and that this court take such action as it may deem meet and proper to command and compel respect for and compliance with said order and decree.

Tin Smelting in U.S. Planned by Patino

Simon I. Patino, president of Patino Mines & Enterprises Consolidated, Inc., Bolivia, announced last week that he would confer with officials of the National Defense Advisory Commission regarding the possibility of establishing a tin smelter in the United States. Mr. Patino, who arrived in this country August 16, was unable to discuss the projected smelter in detail, but estimated it would cost about $2,000,000 if built.

During the first World War, Mr. Patino was responsible for the erection of a smelting plant in Brooklyn. This plant was closed and dismantled after the Armistice, however, because of the heavier costs of operation compared with English plants, which maintain a virtual monopoly of the business.

DCAT Luncheon Date Changed to September 19

The Drug, Chemical and Allied Trades Section of the New York Board of Trade has changed the date of its first Fall luncheon to September 19. John C. Ostrom, secretary of the section, 41 Park Row, is in charge of arrangements.

Cuba Subsidizes Production Of Articles Now Imported

Industrial expansion in Cuba in the production of articles now imported is promoted by a special patent grant and protective tariff established by the transitory provisions of the new national constitution which will become effective October 10. This promotive scheme would give monopolistic manufacturing rights for fifteen years and levy an extra import duty of 50 percent ad valorem on articles thus licensed for which entry from foreign sources was sought.

The provision for application for manufacturing patents became effective some weeks ago, and it is reported that more than one hundred applications were received during the first month. Applicants are required to provide guaranties that they will be producing at least 80 percent of national consumption of an article within eighteen months. The rights run to any article of which domestic production has been not more than 15 percent of consumption over the past five years.

Importers in Cuba and exporters to Cuba are protesting the new monopoly scheme and are preparing to present opposition to applications covering important articles. The successful pursuit of this course, it is pointed out, depends almost wholly on the presentation of convincing data that the requirements are not practicable in respect of financing, equipment, or raw materials.

In view of the wide application of this new idea to United States trade with Cuba, even though the trade agreement is of some influence and but few productive enterprises may result, the relevant text of title 16 section 4 of the constitutional transitory clauses is of interest. It follows:—

Second. There shall be granted to the State an industrial property title under the name of "Patent of Industrial Introduction" to any natural or juridical person who during the first two years from the day of the promulgation of the present constitution applies for it at the office of the Secretary of Commerce, offering to establish a new principal or auxiliary industry or to manufacture, elaborate, or prepare articles appropriate for consumption or for export which at present are not produced or prepared within the national territory or the average production of which in the last five years was less than 15 percent of the national consumption in this time, the article or product being specified by the expression of the item of the tariff in force in which it is classified or contained; provided that the applicant obligates himself to construct, saving force majeure, within the term of eighteen months from the granting of the patent one or more factories or to open and enlarge the existing ones with a capacity for producing the article involved in the year following said term in a quantity sufficiently large to cover a minimum of 80 percent of its national consumption, and guarantees said obligations with a cash security equivalent to 3 percent of the sum declared in the customhouses as the sum of all the imports of said article during the twelve months preceding the promulgation of the present constitution, up to

—Continued on page 27

F.W.D.A. Convention To Hear Arnold

Thurman W. Arnold, Assistant Attorney-General of the United States in charge of the antitrust laws activities of the Department of Justice, will be a speaker at the annual meeting of the Federal Wholesale Druggists Association next month. He will speak on the activities of his division at the joint active-associate session September 11.

This year's F.W.D.A. convention will celebrate the twenty-fifth birthday of the association. It will be held September 8 to 11 in the Homestead, Hot Springs, Va. Instead of having the joint session of the active (wholesaler) and associate (manufacturer) members on the first day, the convention will start socially on Sunday and begin its business September 9 with registration at 9:00 a.m. and separate sessions of the two membership groups later. The two will join for luncheon at 12:30 p.m. with the active members as hosts. The active members will meet again at 2:30 p.m. and then will wait until 2:30 p.m. September 11 for their final closed session at which committee reports will be made by L. M. Seiberlich, for audit; H. W. Bradbury, for legislation; G. A. Raab, for merchandising; F. B. Tipton, for pharmacy week; J. P. Jelinek, for resolutions; M. D. Pritchard, for retailers' activities; and Harry Z. Krupp, for trade relations.

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Trade Associations Must Know Antitrust Law Processes

By John M. F. Donovan, Jr.

Trade Association Counselor

Continued from August 19 issue

Types of Unfair Competition

The following list of practices condemned in orders to cease and desist illustrates unfair methods of competition branded as illegal by the Federal Trade Commission from time to time. This list is not limited to orders issued in any one fiscal year. It does not include specific practices outlawed by the Clayton act and committed to the commission's jurisdiction, namely, various forms of price discrimination, competitive stock acquisition, exclusive and tying dealing arrangements, and certain kinds of competitive interlocking directorates.

Various types of unfair competition looked upon with disfavor by the commission may be grouped as follows:—

The use of false or misleading advertising, calculated to mislead and deceive the purchasing public to their damage and to the injury of competitors.

Misbranding of fabrics and other commodities respecting the materials or ingredients of which they are composed, their quality, purity, origin, source, attributes or properties, history, or nature of manufacture, and selling them under such names and circumstances that the purchaser would be misled in these respects.

Bribing buyers or other employees of customers and prospective customers, without letting the latters' knowledge or approval be secured, to secure and hold patronage.

Procuring the business or trade secrets of competitors by espionage, or bribing the employees, or by similar means.

Inducing employees of competitors to violate their contracts and enticing away employees of competitors in such numbers or under such cimcumstances as to hamper or embarrass the competitors in the conduct of their business.

Making false and disparaging statements respecting competitors' products, their value, safety, etc., and competitors' business, financial credit, etc., in some cases under the guise of ostensibly disinterested and specially in-

—Continued on page 34

Container 'Trust' Suits Ended With Fines

A consent decree, terminating the anti-trust cases, involving the kraft paper and the paper box and container industries was signed by Judge Gaston L. Potterie in the Federal court in this city August 22. The decree enjoined the remaining defendants, who were not similarly enjoined last April, from further violation of the anti-trust laws.

Stevenson, Jordan & Harrison, Inc., formerly known as the Stevenson Corporation, was fined $10,000, and Charles R. Stevenson, president, and C. H. Ferris, an employee, $2,000 each. All pleaded nolo contenders to the indictment in the container case.

The kraft paper indictment was dismissed as to Stevenson, Jordan & Harrison, Inc., and Mr. Stevenson, Mr. Ferris and Scott M. Jordan, secretary of the Kraft Paper Association, upon entry of the consent decree.

Closing Markets

London Closing Cable

LONDON, Aug. 23, 1940

Carnauba wax, 350s per hundredweight.

Cottonseed Oil Steady

The market for refined cottonseed oil was steady. Trading was quiet and price changes narrow. Final quotations showed an advance of about 15 points as compared with the closing prices of the previous week. Census Bureau figures showed 169,420 bales of cotton ginned to August 16 against 357,197 bales in the same time last season.

Tin Salts Easier

Prices for some tin salts were slightly easier late in the week. Tin crystals were quoted at 38c. to 38½c. per pound; anhydrous stannous chloride, 47c. to 47½c. per pound; anhydrous tetrachloride held at 24¾c. Quotations for soda stannate ranged from 33c. to 36c. per pound. Spot Straits tin closed at 50.55c. per pound.

Consumer Dictation Not in Defense Plan

OPD Washington Bureau
August 22, 1940

Indications are that a substantial representation of the forty-two retail trade associations invited will be present at the conference August 29 called by Harriet Elliott, consumer adviser on the National Defense Advisory Commission.

Over a hundred retailers are expected to take part in the conference, at which they will submit recommendations to the defense consumer division and will discuss the formation of a practical program to avoid price increases. At the present time retailers are said to be working on a program of prices to be maintained during the Winter.

Miss Elliott is still hearing suggestions from various groups, and has not yet decided on any definite program of action, but she has promised there will be no "blueprint" consumers' organization with a rigid plan. She points out that her division is merely an advisory body and is not in position, even were there an inclination, to set up or to foster consumer dictation to producers and distributors.

The consumers' division is now studying the recommendations made at a meeting with civic groups August 1 and 2, one of which dealt with "more informative labeling." It has been tentatively announced that the division will meet with consumers' organizations during September.

Soybean Use Expansion Discussed by Association

The expansion in the use of soybean products as commercial materials during recent years was reviewed at the twentieth annual meeting of the American Soybean Association, held August 18 to 20 in Dearborn, Mich. Feature of the convention was a discussion of the development and progress of the soybean industry in Ohio, presented by Governor John W. Bricker, at the annual banquet of the group.

Among the addresses delivered during the business sessions was a review of the current day consumption of soybean oil, given by H. W. Galley, manager of the oils division of the A. E. Staley Manufacturing Company. He stated that at the present time approximately fifty-five percent of the production of oil, amounting to some 200,000,000 pounds, was used in the manufacture of shortenings. An addi-

—Continued on page 36

Rieber Off Texas Co. Board

Captain T. Rieber, who recently resigned as chairman of the board of the Texas Corporation and the Texas Company, withdrew as a member of the directorate last week. The resignation, prompted by unfavorable publicity concerning his friendship with a German commercial agent, marked his complete retirement from the affairs of the organizations. Mr. Rieber's duties will be assumed by W. S. S. Rodgers, president.

Chemical Price Level Sags

There was no foreign factor contributing to price conditions in the markets for heavy and fine chemicals last week, and the unassisted domestic influences had a net depressing effect. This was evident chiefly in certain sections of the coaltar and noncoaltar organic divisions, a reduction in benzol being most noteworthy.

Business had no strong characteristics, but was of gratifying volume. Defense buying was so ordered that it had no stimulating effect.

Prices were advanced on electrolytic copper, lead, red lead, litharge, orange mineral, gum and steam-distilled wood turpentines, gum rosin, imported dried blood, and cottonseed meal in the Southeast.

Prices were reduced on benzol, straits tin, tetrachloride of tin, carbonate of copper, chloride of copper, menthol, ascorbic acid, and cocoa butter.

The REPORTER'S composite index number of prices for heavy and fine chemicals was clipped to 129.9 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 92.0, compared with 88.7 at this time last year and 89.1 in 1938.

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F.T.C. Upheld On Automobile Financing

In a unanimous opinion, the United States Circuit Court of Appeals for the Second Circuit, this city, has affirmed the cease and desist order issued by the Federal Trade Commission against General Motors Corporation, General Motors Sales Corporation, and General Motors Acceptance Corporation, on the 6 percent plan of deferred or installment payments for automobiles.

The court's opinion, delivered by Judge August N. Hand, declared that there was evidence to support the commission's findings that the advertising of the "6%" plan had a tendency to deceive and did deceive purchasers of automobiles that the financing charge was 6 percent instead of approximately 11.5 percent on a deferred and unpaid balance. The opinion continued:—

It may be that there was no intention to mislead and that only the careless or the incompetent could be misled. But if the commission having discretion to deal with these matters thinks it best to insist upon a form of advertising clear enough so that, in the words of the prophet Isaiah, "wayfaring men, though fools, shall not err therein," it is not for the courts to revise their judgment.

The contention that the commission is without jurisdiction because GMAC was not engaged in interstate commerce is without merit. While GMAC was primarily acting as a local finance company, it was wholly owned by General Motors, and, with the sales corporation, acted as an agent of General Motors in a unified plan of selling and financing cars shipped in interstate commerce. Under the decision of the supreme court in Trade Commission v. Education Society, 302 U. S. 112, 120, there was jurisdiction.

Shell Chemical Names Oostermeyer Vice-Pres.

J. Oostermeyer has been named vice-president of the Shell Chemical Company, San Francisco.

Mr. Oostermeyer, who has been

J. Oostermeyer

affiliated with Shell interests for the past twenty-three years, lived in the Orient and South America, where his activities were concerned with the marketing of petroleum products.

Lambert Co. Ordered To Equalize Discounts

OPD Washington Bureau
August 19, 1940

The Lambert Pharmacal Company, St. Louis, has been ordered by the Federal Trade Commission to cease violating the Robinson-Patman act in the sale of its "Listerine Antiseptic" and allied products by allowing certain customers compensation for sales services furnished by them without making such opportunities available to other buyers of Lambert products.

The commission's order applies to the company's activities as in operation March 29, 1939, the date its complaint was issued, and its statement of findings includes the following:—

While denying in its answer dated May 16, 1939, that the plan complained of was in violation of law, the respondent has since adopted a revision of such plan deemed by the respondent to eliminate questions as to such violation.

—Continued on page 42

Paint Show Spaces Being Reserved Rapidly

Thirty-five spaces, of the forty-five available, have been reserved for the Paint Industries Show, held in conjunction with the annual conventions of the Federation of Paint and Varnish Production Clubs and the National Paint, Varnish and Lacquer Association, in session in the Mayflower hotel, Washington, D. C., October 28 to November 1.

Spaces thus far reserved have been made by exhibitors showing raw materials, containers, and equipment used in the paint and varnish manufacturing plants. Reservations for spaces still available may be made by communicating with J. F. McMenamin, chairman of the paint show committee, by addressing him at the Felton, Sibley Company, 136 North Fourth street, Philadelphia, Pa.

Among the companies reserving space for exhibits are:—

Resinous Products Company, J. H. Day Company, The Dicalite Company, Stroock & Wittenberg Corporation, Standard-Knapp Corporation, Reichhold Chemicals, Inc., Falk & Co., American Cyanamid and Chemical Corporation, Anderson-Prichard Oil Corporation, National Carbon Company, Owens-Illinois Can Company, Wheeling Corrugating Company, Wilson & Bennett Manufacturing Company, Continental Can Company, Hercules Powder Company, Burt Machine Company, Johns-Manville Corporation, Spencer Kellogg & Sons, Bakelite Corporation, Bramley Machinery Corporation, Dow Chemical Company, General Electric Company, J. M. Lehman Company, The Neville Company, Kent Machinery Works, Binney & Smith Company, National Rubber Machinery Company.

A.C.S. Program Lists 25 Paint Research Reports

A machine for spreading uniform paint films will be described before the division of paint and varnish chemistry of the American Chemical Society at the society's 100th national meeting in Detroit, Mich., September 9 to 13. Outside house paints, varnishes, lacquers, enamels, clear oils, and free-flowing flat paints give uniform films by the new method, according to E. J. Dunn, jr., and C. Baier, of the National Lead Company, Brooklyn.

Twenty-five reports will be presented at the divisional sessions by representatives of twenty industrial organizations and educational institutions. Edwin J. Probeck, works manager for the Jones-Dabney Varnish Company, Louisville, Ky., and chairman of the division, will preside at the meetings devoted to paint and varnish, while Winton I. Patnode, of the General Electric Company, Schenectady, N. Y., will be chairman of the resin group.

A. C. Elm, research chemist for the New Jersey Zinc Company, Palmerton, Pa., and secretary of the division, will collaborate with J. L. Overholt in a study of the changes taking place in paint films under exposure to ultra-violet light. Prof. William Howlett Gardner and Russell B. Waddell, of the Polytechnic Institute of Brooklyn, N. Y., will discuss driers. Dr. Gardner and John E. Hanle, of the Murphy Varnish Company, Newark, N. J., will report on the spreadability of phenolic varnishes on tinplate. The problem for designing suitable specifications for aircraft engine finishes will be discussed by M. C. Coler, of the Paragon Paint & Varnish Corporation, Long Island City. Among other speakers before the division will be:—

W. B. Johnston and T. F. Bradley, of the American Cyanamid Company, Stamford, Conn.; L. M. Minsk, W. J. Priest

—*Continued on page* 30

Huber Co. Upheld in Suit On Carbon Black Patent

Borger, Tex., Aug. 20, 1940

The J. M. Huber Corporation, this city, has not infringed upon patents for the manufacture of carbon black held by Godfrey L. Cabot Company, Inc., Boston, according to an opinion handed down in the Federal District Court here. The court explained that carbon black is produced in pellets formed by various means of agitation. The Cabot firm alleged that Huber corporation had modeled its pellitizing apparatus after a machine perfected by the Cabot company engineers. The court held Cabot did not prove such infringement.

Inert Materials for Admixture With Paint Pigments

By Wayne R. Fuller

Technical Director, American Marietta Company

Contributed to American Society for Testing Materials and Reprinted from ASTM Bulletin

Continued from August 19 issue

Exterior House Paints

Exterior house paints furnish a concrete example of increased use of extenders as a result of the general adoption of high hiding power white pigments. Prior to the introduction of zinc sulphide and titanium pigments, first-grade multiple pigment paints were made with white lead and zinc oxide. The hiding power of these pigments restricted the use of extenders, and the amount used, based on pigment by weight, usually varied from none to 10 percent. The general adoption of titanium-barium pigment as an added constituent of white paints did not materially alter the situation with respect to extenders incorporated as such. The extenders most widely used were fibrous talc and quartz silica, common practice being the use of these materials in equal amounts. Because of the small amount of extender used as such, it had little bearing on the durability or general performance of the paint. The adoption of titanium pigment containing 75 percent blanc fixe (later 70 percent) substantially increased the total extender content to a normal range of 25 to 40 percent. However, the paint formulator had control over perhaps only 10 percent.

At about the same time that titanium-barium pigment came into use, another type of formula was introduced. This formula was based on lithopone (composite zinc sulphide pigment containing 72 percent blanc fixe) in combination with leaded zinc oxide and extender. A widely used formula included 20 percent of added extender, usually equal parts of fibrous talc and quartz silica, giving a total extender content of 48.8 percent. It is readily apparent that this type of formula represented a new high both in total extender content and in the amount of the disposition of the paint formulator. With growing recognition of the superiority of silicate pigments over quartz silica, present practice in the formulation of paints of this type leans toward the use of 15 percent fibrous talc as the sole added extender.

When pure titanium dioxide and zinc sulphide became available, the paint formulator obtained control over the full amount of extender in the formula and the choice of extenders became a problem of greater importance. Tests demonstrated that when large amounts of extender were used they played a vital part in the durability and other properties of the paint. It was found that blanc fixe detracts from durability and that best results were obtained with silicate pigments, notably fibrous talc and mica. While mica gave even better durability than fibrous talc, it had certain undesirable properties, such as glistening in bright light, poor wetting and grinding, poor leveling, low and non-uniform gloss, and a rough film. As a result fibrous talc has become the standard extender for use in the first-grade commercial house paints made with white lead, zinc oxide, titanium dioxide, and lead titanate as the hiding pigments.

More recently diatomaceous silica of the coarse type has been advocated as an extender for house paints. The author's information is that this extender promotes good durability. Shortcomings which have retarded its acceptance are (1) a very high oil-absorption value, which means that its use in substantial amount would require an abnormally large proportion of thinner; (2) low gloss; (3) difficulty in grinding; and (4) a cost of approximately 75 cents a solid gallon, about three times the cost of fibrous talc.

Fibrous talc merits more detailed consideration as an extender for house paints, in view of its general use as the sole extender in first-grade commercial paints. There are various grades of fibrous talc and certain grades are superior to other grades. Composite pigments are available which contain 30 percent titanium dioxide and 70 percent talc. These pigments are mechanical mixtures and give the same results as the same mixture when made in the process of paint manufacture. The use of talc tends to increase consistency, reduce settling, promote easy brushing, reduce leveling, and reduce gloss. Among paint chemists the view is widespread that properly balanced formulas containing a large proportion of fibrous talc are as durable as any practicable formulas that can be produced today. There is a trend toward the use of increased amounts of talc. This trend will probably be furthered by the adoption of lead titanate and types of titanium dioxide having reduced chalking, which permit the use of more titanium pigment.

—*Continued on page* 34

Note:—Discussion of this paper is invited, either for publication by the American Society for Testing Materials or for the attention of the author. Comment should be sent to headquarters of the society, 260 South Broad street, Philadelphia.

'Oil Trust' Procedure Assailed in Congress

OPD Washington Bureau
August 21, 1940

A resolution calling for an investigation into the enforcement of the antitrust laws, especially with reference to the postponed suit against the petroleum industry, was introduced in the house today by Representative John M. Coffee of Washington.

Referring to the fact that the Department of Justice has held off its contemplated antitrust suit against the major oil companies because of national defense considerations, Representative Coffee said he failed to see any necessity for dropping civil actions against the oil monopoly or any other monopoly.

His action followed by a few days a threat by Senator Guy M. Gillette of Iowa to force legislative action on several bills proposing to divorce the production, distribution and marketing operations of major oil concerns. In a letter to Assistant Attorney General Thurman Arnold, the senator said that, if he is not satisfied with the reasons for postponing the oil suit, he will reopen hearings on the divorcement bills of which he is the author.

Observers feel there is an even chance now whether the oil suit will be brought. If the suit is dropped, there will be a clamor in Congress to force the divorcement bills out of senate and house committees and to carry through the investigation. Both government and industry are attentatively watching this tug-of-war, since the decision will provide a key to the administration's antitrust policy in relation to national defense.

Gasoline Antitrust Case Retrial to Start Nov. 18

Madison, Wis., Aug. 19, 1940

Retrial of seven oil companies which did not enter nolo contendre pleas to indictments charging violation of the anti-trust act will begin here on November 18, it was announced today. The companies are the Texas Company, the Tidewater Associated Oil Company, the Gulf Oil Corporation, the Globe Oil & Refining Company of Illinois, Kansas, and Oklahoma, and the National Refining Company.

Retrial involving four other companies and seventeen individuals will start January 20, 1941. The twelve companies and five individuals whose convictions were upheld by the Supreme Court of the United States in May, will not receive new trials.

TAPPI Reviews Research Progress

Progress in the development of new methods, procedure and formulas were discussed at the Fall meeting of the Technical Association of Pulp and Paper Industry, held at the University of Washington, Seattle, August 20-23.

The advantages of using sodium chlorite for bleaching wood pulp were outlined by J. F. White and G. P. Vincent, of the research and development department of the Mathieson Alkali Works.

These advantages are, according to the authors, high brightness without loss of fiber strength, small loss of brightness with time, no loss of the desirable chemical properties of the pulp, and elimination of the need for rigid chemical control of the bleaching process.

It was stated by the authors that the use of chlorite did not lower and sometimes increased the cupramonium viscosity of the resulting cellulose and that there is a slight increase in the alpha-cellulose content above that obtained with hypochlorite bleaching. The use of chlorite, the authors conclude, does not produce effects which indicate degradation of the cellulose. Chlorite in a form suitable for use in bleaching wood pulp will shortly be produced in quantity by Mathieson under the name of "C2," it was announced.

Advances in the technique of dyeing paper were disclosed by Dr. E. R. Laughlin of the dyestuffs division of E. I. du Pont de Nemours & Co. Dr. Laughlin's address covered an intensive study of the tinting of so-called "white" papers and the significant effecct of dye upon their opacity and brightness, particularly printing papers. He recommended important changes from the present accepted practices in many instances.

Reddish blues, violets and blacks in general exert the greatest opacifying influence, and yellows, oranges, reds and greenish blues are of minor influence, he said. The illuminant, Dr. Laughlin declared, has only inconsequential bearing on the most effective dyes but has a marked influence on the least effective colors.

Concerning the measurement of opacity, Dr. Laughlin said that if opacity measurements are to agree with average visual judgments, two things are necessary:—(1) the opacimeter illuminant should approximate the quality of average daylight and (2) the response of the opacimeter photocell must closely approach the visual response.

"Pulping Douglas Fir with Nitric Acid,' was the title of paper submitted by H. K. Benton, of the University of Washington.

A summary of the tests made by Mr. Benton revealed:—

Douglas fir chips of approximately one-third commercial size were digested in glass vessels under atmospheric pressure with diluted nitric acid. In order to secure adequate penetration for com-

—*Continued on page 37*

Dried Milk Standards Rehearing Is Denied

OPD Washington Bureau
August 20, 1940

A request by Chicago milk interests for a rehearing on the regulation, promulgated July 12, under the Federal food, drug and cosmetic act, establishing a definition and standard of identity for a dried skim milk, has been denied, according to Wayne Coy, Assistant Federal Security Administrator. The standard becomes effective October 10, 1940.

After explaining that the act requires that, so far as practicable, the standard for any food shall be established under its common name, Mr. Coy stated that "unquestionably the common or usual name for the residue of milk from which the fat has been substantially removed, no matter by what process, is skim milk; and the name of such product when dried is dried skim milk."

As to the moisture content of dried skim milk used as stock feed, the assistant administrator suggested that the industry can protect itself against possible application of the moisture standard for dried skim milk by labeling the product as "dried skim milk feed".

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Current Market Quotations

August 23, 1940

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, dms., dlvd.....lb. .75 - 1.00
Acetaldehyde, 99%, dms., 55 & 110 gls., works..lb. .11 - —
5 & 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., 95-98%, chips, bbls..lb. .22 - —
cryst., bbls.....lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb. lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2,000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs., 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .06½- —
l.c.l., dlvd.....lb. .07 - —
tanks, dlvd.....lb. .05 - —
Methyl (see M).
Acetophenone, bots.....lb. 1.60 - —
cns., 25 to 50 lbs.....lb. 1.30 - 1.35
dms., 100 lbs.....lb. 1.27 - —
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs.....lb. 1.02 - —
25 lbs.....lb. 1.05 - —
Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville...lb. .08¾- —
l.c.l., same terms.....lb. .09 - —
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5% bbls.....100 lbs. 7.62 - 7.87
cbys. .....100 lbs. 8.12 - 8.37
tanks .....100 lbs. 5.00 - —
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms..... 100 lbs. 8.43 - 8.68
cbys., cs.....100 lbs. 8.93 - 9.18
USP, al. dms.....100 lbs.10.25 -10.50
cbys., cs.....100 lbs.10.75 -11.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities: the prices apply dlv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. Y., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11¾
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls..lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls..lb. .40 - —
Adipic, fib. dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb .22 - .25
Ascorbic, bots., dms..... oz. 2.00 - 2.05
Battery, cbys., c.l., E. works, 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.35 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,900 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more, lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more..lb. .55 - .56
1,000 to 3,900 lbs.....lb. .56 - .57
900 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld....ton.96.00 - —
ton lots, ex whse...ton.108.00 - —
less than ton lots, ex whse..ton.113.00 - —
bbls., c.l., frt. alld....ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse...ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse...ton.123.00 - —

Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 96%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 7.00 - —
Capric, dms.....lb. .13 - .13½
Caproic, dms., works.....lb. .30 - .35
Carbolic (see Phenol).
Caprylic, dms.....lb. .17½- —
Castor oil, split, dms.....lb. .16 - .17
Chlorosulphonic, dms., c.l., works..lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N.Y..lb. .15¼- —
l.c.l., 5 tons, dlvd., N. Y. lb. .15¾- —
smaller quantities, dlvd. N.Y..lb. .16¼- .17¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., 1 shipt..lb. .23 - —
smaller lots.....lb. .23½- —
Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N. Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.
Cleve's, bbls.....lb. .57 - —
Coconut oil, dms.....lb. .10 - .10½
Corn, dist., dms.....lb. .08½- .09
Cottonseed oil, dist., dms....lb. .07¾- .08
tanks .....lb. .07¼- —
Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 210°-215°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equld..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .65 - .70
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East, U.S...gal. .43 - —
l.c.l., same basis.....gal. .44 - .45
tanks, dlvd., East U.S.gal. .389 - —
medium-boil (222°-249°), non-return dms., c.l., works, East, U.S..gal. .49 - —
l.c.l., same basis....gal. .50 - .51
tanks, dlvd., East. U.S.gal. .448 - —
Crotonic, 10 bbls. or more, dlvd..lb. .21 - —
smaller lots, dlvd.....lb. .26 - —
smaller containers, dlvd....lb. .50 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 and over.....lb. .11 - —
1-24 .....lb. .11½- —
Fumaric, bbls., 1-ton delivery..lb. .24 - —
smaller lots.....lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
N. F., VI. bbls., 200 lbs., 5 or more..lb. 1.07 - —
single bbls.....lb. 1.10 - —
fib. dms., 25 lbs.....lb. 1.16 - —
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs. or cbys.....lb. .17 - —
25 or 50-lb. demijns.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H, bbls.....lb. .45 - —
Hydriodic, 47%, bots.....lb. 2.30 - —
5-lb. lots.....lb. 2.51 - —
57%, bots.....lb. 2.75 - 2.90
Hydrobromic, U.S.P., 48%...lb. .48 - —
Hydrochloric (see Muriatic).
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber dms.....lb. .08 - .08½
48%, lead cbys.....lb. .12 - —
rubber dms.....lb. .11 - —
52%, lead cbys.....lb. .13 - —
rubber dms.....lb. .12 - —
60%, lead cbys.....lb. .14 - —
rubber dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs. bbls..lb. .09 - .09¼
Hypophosphorus, USP, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works....100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works.. 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works..100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11⅛
5 to 19, cbys.....lb. .11 - .12
1 to 4, cbys.....lb. .11½- .12⅛

Acid, lactic, plastic grade, bbls., cbys., 20 or more..lb. .12¼- .13⅛
5 to 10, cbys.....lb. .12¾- .13⅜
1 to 4, cbys.....lb. .13¼- .14⅛
80%, bbls., cbys., 5 or more..lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22⅛
USP, XI, 85%, cbys.....lb. .43 - .45
USP, VIII, 75%, cbys.....lb. .41 - .43
Lauric, dist., tech., dms.....lb. .11½- .12
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .12¼- .12¾
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, bots.....lb. 2.30 - —
dms., 1,000 lbs.....lb. 2.05 - —
smaller lots.....lb. 2.15 - —
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .93 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E. works..100 lbs. 1.50 - —
l.c.l., 25 and over, E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works.....100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works.....100 lbs. 2.70 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works.....100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
C.P. dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .18½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .20 - —
Myristic, dist., dms.....lb. .16 - .16½
Naphthenic, dom., acidity 160, dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 25-lb. cns.....lb.15.00 -15.50
5-lb. bots.....lb.16.50 - —
1-lb. bots.....lb.17.00 - —
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24 works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24 works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
l.c.l., 25 and over, works, 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
C.P., USP, dealers, cbys...lb. .11½- —
7-lb. bots.....lb. .22½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs and over....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palmitic, bgs.....lb. .09¾- .10¼
Palm oil, white, dist., dms..lb. .06¾- .07¼
tanks .....lb. .06¼- —
Phenylacetic, bots.....lb. 1.75 - 3.00
Phosphoric, ortho, tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g. 1.710, cbys., 180 lbs..lb. .12 - —
50%, s. g. 1.347, cbys., 70 lbs..lb. .12 - —
dms., 25 lbs.....lb. .15 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.20 - —
cns. .....lb. 1.25 - —
USP, cryst., cns.....lb. 1.70 - —
resubl., cns.....lb. 2.25 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., c.l., works.....lb. .27 - —
l.c.l., works.....lb. .28 - .33
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .40
Sebacic, C.P., bbls., works...lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .08 - .08½
Stearic, dist., double pressed, bgs., dlvd..lb. .09 - .10
single pressed, bgs., dlvd..lb. .08½- .09½
triple pressed, bgs., dlvd..lb. .11¾- .12¾
saponif., double pressed, bgs., dlvd..lb. .09¼- .10¼
triple pressed, bgs., dlvd..lb. .12 - .13

Acid, succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E. works.....ton.13.00 - —
66°, cbys., c.l., E. works.... 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E. works.....ton.16.50 - —
98%, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. lots.....lb. .16½- —
consumers, cbys.....lb. .08 - —
9-lb. lots.....lb. .18 - —
fuming, 20%, tanks, E. works, ton.18.50 - —
65%, tanks, E. works....ton.36.00 - —
Tannic, tech., bbls., dms.....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment.....lb. .41¼- —
smaller quantities...lb. .41¾- —
kgs. .....lb. .42¼- —
Tobias, bbls.....lb. .55 - .60
Trichloroacetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works....lb. No prices
Chem. grade, kgs., works..lb. No prices
Aconite leaves, bls.....lb. .32 - .34
Root, bls.....lb. .45 - .50
Aconitine, amorph., bots.....oz.23.00 - —
vls. .....gr. 1.00 - —
cryst., bots.....oz.42.00 - —
vls. .....gr. 1.60 - —
Adeps lanae, anhyd., dms.....lb. .26½- .27
hyd., dms.....lb. .24½- .25
Agar, 1, bls.....lb. 1.40 - 1.45
3, bls.....lb. No prices
Agaric, white, bls.....lb. 5.00 - 5.25
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld...lb. .55 - .62
import ,bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. .54 - .60
powd., dms., bbls.....lb. .59 - .65
import, cs.....lb. .60 - .62
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .111 - —
l.c.l., frt. alld.....lb. .121 - —
tanks, frt. alld.....lb. .101 - —
normal, dms., l.c.l., wks....lb. .25 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works..lb. .13¼- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09¼- —
tanks, frt. alld.....lb. .08 - —
tankwagon, frt. alld.....lb. .08¼- —
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
tertiary, denaturing, c.l., dms..lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Capryl, pure, dms., works...lb. 2.50 - —
tech., dms., works.....lb. .85 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
com'l, dms.....lb. .95 - —
import, 85%, 100-lb. dms....lb. .55 - —
5 to 10 lbs.....lb. .75 - —
com'l, 350-lb. dms.....lb. .45 - —
Cinnamic, bots.....lb. 2.00 - 2.50
Denatured, CD14, dms., c.l., works, E..gal. .31½- —
l.c.l., works, dms.....gal. .36½- —
tanks, E., works.....gal. .25½- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SDI 190 pf., bbls., c.l., E. works..gal. .29½- —
19 bbls., E. works....gal. .31½- —
1 to 18 bbls., E. works, gal. .34½- —
dms., c.l., E. works...gal. .28½- —
19 dms., E. works...gal. .30½- —
1 to 18 dms.....gal. .33½- —
tanks, E. works.....gal. .22½- —
Anhydrous 3c. per gal. higher.
SD-2B, dms., c.l., works, E. gal. .26½- —
19 dms., works, E...gal. .28½- —
1 to 18 dms., works, E. gal. .31½- —
tanks, E. works.....gal. .20½- —
SD23G, works, E., c.l., dms., gal. .32½- —
19 dms.....gal. .34½- —
1 to 18 dms.....gal. .37½- —
tanks .....gal. .26½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in dms., higher.

PACKAGING OUR NEW PRODUCT'S GOT ME WORRIED. SHOULD IT BE IN METAL OR FIBER?
WE'RE LEAVING THAT UP TO AMERICAN CAN. THEY'VE GOT THE ANSWER TO QUESTIONS LIKE THAT.

"For years they've been making *both* types of containers. They're the largest company in the field. And we can count on getting impartial, expert advice from them. What's more, any container *they* recommend has been through a lot. Their engineering staff has tested it in the laboratory. And their marketing staff has also checked it. We *know* the container's right before we get it. Besides, American Can has factories all over the country. They can take care of orders from anywhere right away. American Can will do a job for us, all right, and do it well."

CANCO

AMERICAN CAN COMPANY, 230 PARK AVENUE, NEW YORK, N. Y.
104 SO. MICHIGAN AVE., CHICAGO • 111 SUTTER ST., SAN FRANCISCO

Alcohol, special solvent, dms.,			
l.c.l., frt. alld.	lb.	.22½	—
l.c.l., frt. alld.	lb.	.23½	—
tanks, frt. alld.	lb.	.21½	—
1 to 10 dms.	gal.	.34½	—
tanks, E. works	gal.	.23½	—
Tankcar sales require written authorization by Alcohol Tax Unit			
Diacetone, acetone-free, dms.,			
c.l., divd.	lb.	.12	—
l.c.l., divd.	lb.	.12½	—
cns., works	lb.	.16½	.18½
tanks, divd.	lb.	.11	—
tech., dms., c.l., divd.	lb.	.11½	—
l.c.l., divd.	lb.	.12	—
cns., works	lb.	.16	.18
tanks, divd.	lb.	.10½	—
Ethyl, 190 pf., ex. molasses,			
bbls., c.l.	gal.	5.99½	—
10 bbls.	gal.	6.03	—
1 to 18 bbls.	gal.	6.06	—
dms., c.l.	gal.	5.98½	—
10 dms.	gal.	6.02	—
5 to 18 dms.	gal.	6.05	—
1 to 4 dms.	gal.	6.07	—
tanks	gal.	5.92½	—
absolute, dms., c.l.	gal.	6.33½	—
10 dms.	gal.	6.37	—
1 to 18 dms.	gal.	6.40	—
1 to 4 dms.	gal.	6.42	—
Grain alcohol 25c. gal. higher.			
Ethylhexyl, dms., c.l., works.	lb.	.24	—
l.c.l., same basis	lb.	.25	—
Tanks, same basis	lb.	.23	—
Furfuryl, tech., cns., works.	lb.	.35	—
dms., c.l., 33,000 lbs, works,	lb.	.20	—
l.c.l., 500 lbs, and more, works.	lb.	.25	—
Isoamyl, primary, dms., l.c.l., divd.	lb.	.27	—
cans, works	lb.	.32	—
Isobutyl, refd., dms., works.	lb.	.0690	—
tanks, same terms	lb.	.0590	—
Isopropyl, refd., 91%, dms., 5			
gal., f.o.b. dest.	gal.	.65	—
55 gal., c.l., same basis,	gal.	.33½	—
l.c.l., same basis	gal.	.38½	—
tanks, frt. alld.	gal.	.28½	—
99%, dms., 5 gal., same basis,	gal.	.65	—
55 gal., c.l., same basis,	gal.	.36	—
l.c.l., same basis	gal.	.41	—
tanks, same basis	gal.	.31	—
Methyl (see Methanol).			
Phenylethyl, bots., cans	lb.	2.30	3.85
Polyvinyl, type A, fiber-pack,			
2,000 lbs. and over, f.o.b.			
cars, Niagara Falls.	lb.	.65	—
less than 2,000 lbs.	lb.	.70	—
type B, fiber-pack, 2,000 lbs.			
and over, same basis.	lb.	.60	—
less than 2,000 lbs.	lb.	.65	—
Propyl, normal, dms., works,	gal.	.70	—
Octyl (see ethylhexyl alcohol).			
Tetrahydrofurfuryl, dms., con-			
tract, f.o.b. Waverly, N. Y.	lb.	.44	—
450-lb. lots, same basis	lb.	.59	—
cns., f.o.b., Cedar Rapids, Ia.	lb.	.55	—
Aldehol, denat., grade, dms.,			
tanks, works.	gal.	.70	.72
Aldehyde bisulphite, bbls., divd.,	lb.	.17	—
smaller containers	lb.	.20	—
Aldol, 95%, 55 and 110 gal. dms.,			
c.l., works.	lb.	.11	—
l.c.l., works	lb.	.12	—
5 and 10 gal. dms., works,	lb.	.15	—
Aletris root, bgs.	lb.	.39	.40
Alizarin (see Red, alizarin).			
Alkanet root, bgs.	lb.	.60	.65
Aloe, Cape, cs.	lb.	.18	.19
Curacao, cs.	lb.	.40	.42
gourds, bbls.	lb.	.80	.85
Socotrine, kgs.	lb.	.42	.45
Aloin, 140-lb. bbls.	lb.	3.25	—
100-lb. kgs.	lb.	3.27	—
25-lb. fib. dms.	lb.	3.34	—
Alphanaphthol, bbls.	lb.	.52	—
Alphanaphthylamine, bbls.	lb.	.32	—
Althea root, USP, cube cut, bbls.,	lb.	.80	.85
peeled, bls.	lb.	.58	.63
Alum, ammonia, burnt, USP, bbls.,	kgs.	.16	.18
gran., bbls., works	100 lbs.	3.50	—
divd., N.Y., Phila.	100 lbs.	3.50	—
lump, bbls., works	100 lbs.	3.75	—
divd. N.Y., Phila.	100 lbs.	3.75	—
powd., bbls., works	100 lbs.	3.90	—
divd. N.Y., Phila.	100 lbs.	3.90	—
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, divd N. Y. prices apply to truck or ex warehouse.			
Potash, gran., bbls., works	100 lbs.	3.75	—
divd. N. Y., Phila.	100 lbs.	3.75	—
lump, bbls., works	100 lbs.	4.00	—
divd. N. Y., Phila.	100 lbs.	4.00	—
powd., bbls., works	100 lbs.	4.15	—
divd N. Y., Phila.	100 lbs.	4.15	—
Potash alum prices on same basis as those for ammonia alum.			
Potash chrome, bbls.	lb.	No price	
Soda, bbls., c.l., works.	100 lbs.	3.25	—
l.c.l., divd.	100 lbs.	4.25	5.00
Alumina acetate, tech., basic,			
powd., insoluble, bbls.,			
10 or more, divd.	lb.	.35	—
1 to 9, divd.	lb.	.40	—
smaller containers, divd.	lb.	.50	—
soluble, bbls., divd.	lb.	.33	—
smaller containers, divd.	lb.	.45	—
solut., 32%, bbls., c.l.,			
divd.	lb.	.09½	—
l.c.l., 10 or over, divd.	lb.	.11	—
1 to 9, divd.	lb.	.12	—
normal, pwd., bbls., divd.	lb.	.22	—
smaller containers, divd.	lb.	.35	—
solut., 20%, bbls., c.l.			
divd.	lb.	.08	—
l.c.l., 10 or over, divd.	lb.	.08½	—
1 to 9, divd.	lb.	.09	—
Chloride, anhyd., com'l, dms.,			
(extra), 45,000 lbs. and			
over, works.	lb.	.08	—
12,000 to 40,000 lbs.,			
works.	lb.	.09	—
1,100 to 11,000 lbs., works,	lb.	.10	—
140 to 875 lbs., works.	lb.	.11	—
100 lbs. or less, works.	lb.	.12	—
cryst., com'l, dms., c.l., works,	lb.	.06	—
l.c.l., works	lb.	.06½	—
solution, 32 deg., cbys., c.l., works.	lb	.02¾	—
l.c.l., works	lb.	.03¼	—

Alumina, formate, 30%, solut.,			
bbls., c.l., divd.	lb.	.13	—
l.c.l., divd	lb.	.15	—
Hydrate, heavy, bbls., c.l.,			
works.	lb.	.0290	—
l.c.l., bbls., works	lb.	.03½	—
bgs., c.l., works	lb.	.0260	—
light, bgs., c.l., divd.	lb.	.12	—
l.c.l., bgs., divd.	lb.	.12½	—
bbls., c.l., divd.	lb.	.12½	—
l.c.l., bbls., divd.	lb.	.13	—
Oleate, dms., contract	lb.	.17½	—
open order	lb.	.17½	.20
Palmitate, precip., bbls.	lb.	.20½	.21½
Resinate, precip., dms., divd.	lb.	.15	—
Stearate, precip., bbls., ctns.,	c.l.	.18	—
l.c.l.	lb.	.19	—
Sulphate, com'l, bgs., c.l.,			
works, frt. equaled.	100 lbs.	1.15	—
l.c.l., works, frt. equald.	100 lbs.	1.40	—
bbls., c.l., works.	100 lbs.	1.35	—
l.c.l., works, frt. equaled,	100 lbs.	1.60	—
iron-free, bgs., c.l., works,	100 lbs.	1.60	—
l.c.l., works.	100 lbs.	1.85	—
bbls., c.l., works.	100 lbs.	1.80	—
l.c.l., works.	100 lbs.	2.05	—
Aluminum 98-99%, c.l.	lb.	.18	—
l.c.l.	lb.	.19	—
paste, lining, extra fine, dms.,	1,500 lbs.	.61	—
ink, dms., 1,500 lbs.	lb.	.71	—
standard, dms., 1,500 lbs.	lb.	.38	—
powder, lining, extra fine, dms.,	1,500 lbs.	.92	—
standard, dms., 1,500 lbs.	lb.	.57	—
litho, extra brilliant, dms.,	1,500 lbs.	.42	—
extra fine, dms., 1,500 lbs.	lb.	.44	—
lining, dms., 1,500 lbs.	lb.	.56	—
standard, dms., 1,500 lbs.	lb.	.56	—
rubber compound, dms., 1,500	lbs.	.39	—
unpolished, dms., 1,500 lbs.	lb.	.36	—
varnish, extra brilliant, dms.,	1,500 lbs.	.42	—
extra fine, dms., 1,500 lbs.	lb.	.44	—
standard, dms., 1,500 lbs.	lb.	.38	—

Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins	oz.	17.00	26.00
Aminopyrine, 100-lb. dms.	lb.	4.00	—
5-lb. bots.	lb.	4.22	4.25
Ammonia, acetate, bbls., kgs.,	dvd.	.27	.33
dms., divd.	lb.	.23	.26
Aldehyde, dms., works.	lb.	.65	.70
Anhydrous, fertilizer, f.o.b.			
Belle, W. Va., frt. equal			
with Hopewell, Va.	ton.	90.00	—
refrigeration, tanks, works,	lb.	.05	—
pure, cycls., divd., met. N. Y.,	lb.	.16	—

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.	lb.	.05¼	—
dms., c.l.	lb.	.02¼	—
l.c.l.	lb.	.02½	—
tanks (on NH_3 content),			
f.o.b. works.	lb.	.04	—
Benzoate, dms., kgs.			
or more.	lb.	.40	—
1,000 lbs. to 3,000 lbs.	lb.	.41	—
900 lbs, or less.	lb.	.42	—
Bicarbonate, bbls., divd., Met.	N. Y.	.0556	—
kgs., same basis	lb.	.0606	—
Bichromate, bbls.	lb.	.20	.22
Bifluoride, bbls.	lb.	.14½	.16½
Borate, bbls., kgs.	lb.	.15	.16
Bromide, gran., bbls.	lb.	.31	—
bxs.	lb.	.34	.35
kegs	lb.	.32	—
Carbonate, lump, bbls., divd.,	Met. N.Y.	.08	—
kgs., same basis	lb.	.11	—
cns., same basis	lb.	.13½	—
powdered, 1c. per lb. higher.			
Chloride, tech. (see Ammoniac,	sal).		
USP, gran., 225-lb. bbls.	lb.	.12	.13
100-lb. kgs.	lb.	.15	—
Citrate, 250-lb. bbls.	lb.	.75	—
100-lb. dms.	lb.	.80	—
50-lb. dms.	lb.	.82	—
25-lb. dms.	lb.	.85	—
cns.	lb.	.85	—
Fluoride, bbls.	lb.	.17	.19
Hydroxide (see Ammonia, aqua).			
Hypophosphite, dms.	lb.	1.25	1.27
jars	lb.	1.35	—
Iodide, 5-lb. bots.	lb.	3.71	—
jars	lb.	3.65	—
Linoleate, 80%, anhyd., bbls.,	lb.	.12	—
Molybdate, kgs., wks.	lb.	1.05	1.20
Nitrate, tech., bgs., works, 100	lbs.	4.35	—
bbls., works	100 lbs.	4.55	—
Oleate, dms.	lb.	.14	—
Oxalate, neutral, powd., bbls.,	kgs.	.19	.20
pure gran.	lb.	.32	—
Perchlorate, kgs.	lb.	.17	Nom.
Persulphate, kgs., dom.	lb.	.21	.22
Phosphate, dibasic, N.F.V., bbls.,	lb.	.37	—
kgs.	lb.	.39	—
tech., bbls., c.l.	lb.	.07¼	—
l.c.l.	lb.	.08¾	.09¼
monobasic, crude (fert. grade),	11% N 48% phos.,		
bulk, f.o.b. E. works.,	unit-ton.	1.55 &	.79
pure, bbls.	lb.	.40	.45
tech., bbls., c.l.	lb.	.07¼	—
l.c.l.	lb.	.08¾	.09¼
Salicylate, U.S.P., kgs.	lb.	1.15	1.20
Silicofluoride, bbls.	lb.	.11½	—
Stearate, anhydrous	lb.	.24½	—
paste	lb.	.06½	—
Sulphate, dom., bulk, c.l. contr.,	f.o.b. cars, ports, July-Dec.	shipt.	28.00 —
spot, same basis	ton.	29.00	—

Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.

Sulphide, liquid, 40-45%, basis			
100%, dms., c.l., divd.	lb.	.08	—
l.c.l., works.	lb.	.12	.13
tanks, divd.	lb.	.07¼	—
red, 48%, cbys., works.	lb.	.07½	—
dms., works.	lb.	.05½	—
yellow, 33%, cbys., works.	lb.	.07½	—
dms., works.	lb.	.05½	—
Sulphocyanide, pure, 99-100%,	kgs.	.65	—
tech., kgs.	lb.	.40	—

Ammoniac, gum (see Gum, ammoniac).			
sal, gray, dom., bbls., c.l.,	100 lbs.	5.50	5.75
l.c.l.	100 lbs.	6.00	6.70
white, gran., dom., bbls.,	c.l., works.	100 lbs.	4.45 —
l.c.l., same basis	100 lbs.	5.00	5.15
import, csks.	100 lbs.	No prices	
Amyl acetate, ex fusel oil, tech.,	dms., c.l., divd.	lb.	.11½ —
l.c.l., divd.	lb.	.12	—
tanks, divd.	lb.	.10½	—
cns., works.	lb.	.16	.18
ex Pentane, dms., c.l., frt.	alld.	lb.	.10½ —
l.c.l., frt. alld.	lb.	.11½	—
tanks, frt. alld.	lb.	.09½	—
Alcohol (see Alcohol amyl).			
Butyrate, dms., 50 gal., return-	able.	lb.	.75 —
Caproate, cns.	lb.	2.75	—
Chloride, normal, dms., works.	lb.	.56	—
small lots, works.	lb.	.68	—
mixed, tech., dms., c.l.,	works.	lb.	.0565 —
l.c.l., works.	lb.	.0665	—
tanks, works.	lb.	.0465	—
Nitrite, bots.	lb.	1.80	1.85
Mercaptan, dms., l.c.l., works,	lb.	1.10	—
Oleate, dms., l.c.l., works.	lb.	.25	—
Salicylate, 5 lbs., bots.	lb.	.61	—
cns., 25 lbs.	lb.	.51	—
Stearate, dms., l.c.l., works.	lb.	.26	—
Amylene, dms., c.l., works.	lb.	1.02	—
l.c.l., works.	lb.	.11	—
tanks, works.	lb.	.09	—
Anethol, bots.	lb.	1.10	1.15
Angelica root, dom., bls.	lb.	.35	.40
import, natural, bls.	lb.	1.75	1.80
twisted, bls.	lb.	1.95	2.00
Angostura bark, bls.	lb.	.28	.32
Anilin oil, dms.	lb.	.15	—
l.c.l.	lb.	.16	—
tanks	lb.	.14½	—
Salt, dms., works.	lb.	.22	.24
Anise, Bulgarian, bgs.	lb.	.14	.15
Cyprus, bgs.	lb.	.16	.16½
Mexican, bgs.	lb.	.13½	.14
Spanish, bgs.	lb.	.27½	Nom.
Star	lb.	.16¼	.16⅝
Anisic aldehyde, bots.	lb.	2.85	2.90
Annatto paste, bxs.	lb.	.34	.39
seed, bgs.	lb.	.06½	.07
Anthracene, 80 85%, bbls., wks.,	lb.	.55	—
80%, bbls., wks.	lb.	.65	—
Anthraquinone, 99.5%, subl., bbls.,	lb.	.65	—
Antimony butter (see Antimony	chloride).		
Chloride, solut., cbys.	lb.	.17	—
Metal, spot.	lb.	.14	Nom.
Needle, powd.	lb.	.20	.24
Oxide, bgs., c.l.	lb.	.13	.14
l.c.l.	lb.	.14½	—
Salt, 65%, dms.	lb.	.30	—
bbls.	lb.	.38	—
White pigment, bgs., f.o.b.	Laredo, Tex.	lb.	.13 .16
Antipyrene, bbls., kgs., ton lots,	lb.	2.00	—
smaller lots.	lb.	2.10	2.15
Apomorphine, bots.	oz.	23.20	23.70
Archil extract, con., bbls.	lb.	No prices	
double, bbls.	lb.	No prices	
triple, bbls.	lb.	No prices	
Areca nuts, powd., bbls.	lb.	.12	.18
Arecoline hydrobromide, bots.	oz.	5.00	6.50
Argols, test 70% to 85%, basis	100%, 100 kgm., purity, 100	kilos.	No prices
Arnica flowers, bls.	lb.	.85	.90
Root, bls.	lb.	.43	.55
Arrowroot, St. Vincent, powd.	bgs.	lb.	.09 .09½
bbls.	lb.	.09½	.10
Arsenic, metal, lump, cs.	lb.	No prices	
Chloride (arsenous), cns.	lb.	4.85	—
Iodide (arsenous), 5-lb. bots.	lb.	5.58	—
jars	lb.	5.43	—
Red, import, cs.	lb.	No prices	
Trioxide (see Acid, arsenous).			
White, powd., kgs., c.l.	lb.	.03¼	—
l.c.l.	lb.	.04	—
Asafetida, cs.	lb.	.33	.34
powd., bbls., bxs.	lb.	.56	.57
Asbestine (see Talc, N. Y. fibrous).			
Asbestos fiber, 5M, bgs., c.l. (20	tons). Canad. mines.	ton.	42.50 —
5R, bgs., c.l. (20 tons), Canad.	mines.	ton.	40.00 —
6D, bgs., c.l. (30 tons), Canad.	mines.	ton.	30.00 —
7D, bgs., c.l. (30 tons), Canad.	mines.	ton.	26.00 —
7F, bgs., c.l. (30 tons), Canad.	mines.	ton.	24.00 —
7H, bgs., c.l. (30 tons), Canad.	mines.	ton.	20.00 —
7K, bgs., c.l. (30 tons), Canad.	mines.	ton.	17.50 —
7M, bgs., c.l. (30 tons), Canad.	mines.	ton.	15.00 —
Asphaltum, Manjak No. 10, crude,	tons, f.o.b. plant.	lb.	.04½ —
smaller lots, f.o.b. plant,	lb.	.05¼	—
process form, bgs., 20 tons,	f.o.b. plant.	lb.	.05 —
smaller lots f.o.b. plant.	lb.	.06	—
California, dms., c.l., f.o.b.	N. Y.	ton.	29.00 —
l.c.l., f.o.b. N. Y.	ton.	36.50	—
Cuban A, bgs, c.l., f.o.b. N.Y.	ton.	60.00	—
l.c.l. f.o.b. N. Y.	ton.	90.00	—
B, bgs., c.l., f.o.b. N. Y.	ton.	35.00	—
l.c.l., f.o.b. N. Y.	ton.	55.00	—
Egyptian, bgs., c.l., f.o.b.	N. Y.	lb.	.12 —
l.c.l., f.o.b. N. Y.	lb.	.15	—
Gilsonite, brilliant black, bgs.,	c.l., Western shipt. points.	ton.	32.00 —
seconds, bgs., c.l., Western	shipt. points.	ton.	25.50 —
selects, bgs., c.l., Western	shipt. points.	ton.	32.90 —
l.c.l., f.o.b. N. J. or N. Y.,	whse.	ton.	58.00 —
Jet., bgs., c.l., Western shipping	points.	ton.	30.50 —
Mexican, Texas, dms., c.l., re-	finery.	ton.	19.00 —
l.c.l., refinery.	ton.	21.00	—
tanks, refinery.	ton.	16.00	—
Petroleum, cut-back, bbls., l.c.l.,	E. cst., refinery.	gal.	.18 —
dms., c.l., E. cst., refinery,	gal.	.12	—
tanks, Calif., refinery.	ton.	12.50	14.00
East Coast, refinery.	gal.	.06	.06¼
Ill., Ind., refinery.	gal.	.06¼	—
N Orleans, refinery.	gal.	.06	—
Atropine, bots.	oz.	5.75	6.00
Sulpbate, bots.	oz.	4.00	4.75

B

Balm of Gilead buds, bgs.	lb.	.40	.45
Barberry bark, bgs.	lb.	.37	.39
Tree bark, bls.	lb.	No prices	
Barbital, cs.	lb.	3.50	3.60
sodium, cs.	lb.	3.75	—

Alcohol—Bismuth Trioxide

Barium carbonate, natural, 90-	96%, grd., bgs., c.l., works,	ton.	45.00 47.00
99% thru 200 mesh, bgs.,	c.l., works.	ton.	47.00 49.00
precip., bgs., c.l., works.	ton.	47.50	50.00
l.c.l., works.	ton.	52.50	55.00
bbls., c.l., works.	ton.	52.50	55.00
l.c.l., works.	ton.	57.50	60.00
sulphur-free, bgs., c.l., works,	ton.	57.50	—
l.c.l., works.	ton.	62.50	—
Chlorate, kgs.	lb.	.26	Nom.
Chloride, CP, cryst., bbls.	lb.	.25	—
tech., dom., cryst., bgs., c.l.,	Zone 1, divd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line	ton.	77.00 —
bbls., same basis.	ton.	79.00	—
l.c.l., bgs., same basis	ton.	90.00	—
bbls., same basis.	ton.	92.60	—
Zone 2, bgs., c.l. divd.,	Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla.,	ton.	81.00 —
bbls., same basis.	ton.	83.00	—
l.c.l., bgs., same basis,	ton.	94.00	—
bbls., same basis.	ton.	96.00	—
Zone 3, bgs., c.l. Minn., Ia.,	Mo., Col., N. Mex., Idaho, Utah, Ariz.	ton.	87.00 —
bbls., same basis.	ton.	89.00	—
l.c.l., bgs., same basis,	ton.	100.00	—
bbls., same basis.	ton.	102.00	—
Zone 4, bgs., c.l. divd.,	Wash., Ore., Calif., Nev.	ton.	88.00 —
bbls., same basis.	ton.	85.00	—
l.c.l., bgs., same basis.	ton.	96.00	—
bbls., same basis.	ton.	98.00	—
Dioxide, dms., c.l., works.	lb.	.10	—
l.c.l., same basis	lb.	.12	.15
Fluoride, bbls.	lb.	.14	.15
Hydrate (see Hydroxide).			
Hydroxide, bbls., imp.	lb.	.05½	.06
dom., works.	lb.	.06½	.07
Iodide, bots.	lb.	4.77	—
jars	lb.	4.62	—
Monoxide (see Oxide).			
Nitrate, cks.	lb.	.08½	.10½
Oxide, ungrd., dms., c.l., works,	lb.	.08	—
l.c.l., same basis.	lb.	.10	.12
grd., dms., l.c.l., works.	lb.	.11	.15
Peroxide (see Dioxide).			
Silicofluoride, bbls.	lb.	.12	.16
Sulphate, tech. (see Barytes and	blanc fixe).		
X-ray, bbls.	lb.	.09½	.10
kgs.	lb.	.12	—
Barytes, dom., floated, bbls., c.l.,	St. Louis.	ton.	25.15 —
l.c.l., same basis.	ton.	26.15	—
paper bags, c.l., St. Louis.	ton.	22.85	—
l.c.l., same basis.	ton.	23.85	—
ex whse., New York.	ton.	31.50	—
Southern off color, bulk mines,	ton.	12.00	—
95.75%, bulk, mines.	ton.	16.00	—
ore, bulk, mines.	ton.	7.00	—
Cuban, crude, c.l., c.l.f.	ton.	11.00	—
German, grd., bbls., c.l., dock,	t.a.	ton.	No prices
l.c.l., ex whse.	ton.	No prices	
ungrd., bulk, c.l., ex dock.	ton.	No prices	
Italian, grd., bbls., c.l., ex dock,	t.a.	ton.	No prices
l.c.l., ex whse.	ton.	No prices	
Bauxite, bulk mines.	ton.	7.00	10.00
Bay leaves (see Laurel leaves)			
Bay rum, import., bbls.	lb.	.82	.90
Bayberry bark, bgs.	lb.	.14	.15
Belladonna leaves, bls.	lb.	.70	.75
Root, bls.	lb.	.78	.80
Bentonite, 200 mesh, bgs., Wyo.,	works.	ton.	11.00 —
325 mesh, bgs., Wyo., works,	ton.	16.00	—
Benzaldehyde, tech., cbys., dms.,	lb.	.55	.60
USP, X, dms., 50 to 100 lbs.	lb.	.85	—
5 to 25 lbs.	lb.	.90	.95
Benzene (see Benzol).			
Benzidin base, bbls.	lb.	.70	—
Benzol, 90%, dms., returnable,	works.	gal.	.19 —
tankcars, frt. alld. E. of Omaha,	gal.	.14	—
W. Coast, f.o.b. Minnequa,	Colo.	gal.	.14 —
Benzoyl chloride, cbys.	lb.	.23	.28
Peroxide, pure, gran., fib. ctns.,	works.	lb.	1.95 —
Benzyl acetate, f.f.c., cans.	lb.	.49	—
dms.	lb.	.44	—
Alcohol (see Alcohol, benzyl).			
Benzoate, a.m.s., f.f.c., cns.	lb.	.84	—
dms.	lb.	.80	—
Chloride, 95.97%, refd., dms.,	lb.	.19	.21
Cinnamate, cns.	lb.	4.15	5.50
Formate, cns.	lb.	2.75	3.50
Benzylidineacetone, bots.	lb.	2.00	2.50
Berberine bisulphate, cns.	lb.	17.25	17.50
Hydrochloride, cns.	lb.	17.25	17.50
Sulphate, cns.	lb.	17.25	17.50
Berberis root, bls.	lb.	.12	.13
Betanaphthol, sublim., bgs.	lb.	.60	—
tech., bbls., c.l., works.	lb.	.23	—
l.c.l., bbls., works.	lb.	.24	—
Benzoate, fig. dms.	lb.	2.10	—
kgs.	lb.	2.00	—
Betanaphthylamine, tech., kgs.	lb.	.51	—
Beth root, bls.	lb.	.19	.21
Bismuth chloride, 5-lb. bots.	lb.	3.20	3.25
Citrate, USP, VIII, 5-lb. bots.,	lb.	2.76	—
jars	lb.	2.65	—
Hydroxide, 5-lb. bots.	lb.	3.46	—
cns.	lb.	3.35	—
Metal, ton lots.	lb.	1.25	—
Nitrate, cryst., 5-lb. bots.	lb.	1.45	—
cns.	lb.	1.50	—
Oxychloride, 5-lb. bots.	lb.	3.10	—
cns., kgs.	lb.	3.10	—
Subbenzoate, 5-lb. bots.	lb.	3.36	—
fib. dms.	lb.	3.13	—
Subcarbonate, bots., cns.	lb.	1.82	2.08
fib. dms.	lb.	1.73	1.76
X-ray, 5-lb. bots.	lb.	3.02	—
fib. dms.	lb.	2.96	—
Subgallate, bots., cns.	lb.	1.77	2.08
fib. dms.	lb.	1.68	1.71
Subiodide, cns.	lb.	4.01	—
fib. dms.	lb.	3.98	—
Subnitrate, powd., bots., cns.	lb.	1.57	1.83
fib. dms.	lb.	1.48	—
Subsalicylate, 60-66%, bots.	lb.	2.59	—
bbls., fib. dms.	lb.	2.50	—
Sulphocarbolate, 5-lb. bots.	lb.	3.61	—
fib. dms.	lb.	3.50	—
Trioxide, powd., 5-lb. bots.	lb.	3.56	—
cns.	lb.	3.45	—

Bis.-Ammo. Cit.—China Clay

Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½ -
3, bbls., bgs., c.l., frt. alld. E., lb. .10½ -
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½ -
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½ -
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., c.l., frt. alld. E..lb. .06½ -
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½ - —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½ - —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03075- —
f.o.b. North Atlantic ports, lb. .03950- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025- —
dlvd..lb. .07025- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925- —
f.o.b. North Atlantic ports, lb. .0380- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525- —
dlvd..lb. .06525- —
bulk, cars, c.l., f.o.b. plants, lb. .02¾- —
f.o.b. New York harbor..lb. .0363- —
All carbon black prices are for delivery in August-September.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08¾- —
2, bbls., l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .29 - .30
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., l.c., works, frt. equald..ton.70.00 - —
l.c.l., same basis....ton.75.00 -90.00
pulp, 66¾%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.25 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 2.25 - —
Import, bgs., c.i.f. ports, ship..unit-ton. 2.45 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Victoria, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.25 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls., 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns.....lb. 1.57 - 1.59
powd., cns.....lb. 1.60 - 1.62
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 -33.00
import, bgs., c.i.f. ports..ton.31.00 - —
Meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.29.00 -30.00
import, 100-lb. bgs., c.i.f. ports, ship..ton.32.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
Bone, steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.28.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.34.50 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .35 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld., ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromstyrol, bots.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11¼- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12½- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09 - —
5, bbls., same basis...lb. .09 - —
6, bbls., same basis...lb. .08½- —
7, bbls., same basis...lb. .08¾- —
8, bbls., same basis...lb. .08 - —
9, bbls., same basis...lb. .07½- —
10, bbls., same basis...lb. .07½- —
11, bbls., same basis...lb. .07 - —
12, bbls., same basis...lb. .06½- —
13, bbls., same basis...lb. .06¼- —
14, bbls., same basis...lb. .05¾- —
raw, American, bbls., works..lb. .02⅞- —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .12¾- —
2, bbls., same basis...lb. .11½- —
3, bbls., same basis...lb. .10½- —
4, bbls., same basis...lb. .09¾- —
5, bbls., same basis...lb. .09¼- —
6, bbls., same basis...lb. .08¾- —
7, bbls., same basis...lb. .09 - —
8, bbls., same basis...lb. .07½- —
9, bbls., same basis...lb. .07 - —
10, bbls., same basis...lb. .06½- —
11, bbls., same basis...lb. .06¼- —
12, bbls., same basis...lb. .05¾- —
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y..lb. .04¼- —
St. Louis.....lb. .04¾- —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05 - —
ex whse., Los Angeles, Portland, San Francisco, Seattle..lb. .05¼- —
Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans..lb. .05 - —
Kansas City.....lb. .05½- —
Minneapolis.....lb. .0510- —
Pittsburgh.....lb. .04¾- —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½- —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .62 - .65
Buckthorn bark, true, bls.....lb. .45 - .50
cut and sifted, bbls.....lb. No prices
Berries, bgs.....lb. .28 - .30
Burdock root, bls.....lb. .19 - .24
Burgundy pitch, dom., dms...lb. .05½- .06
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks., lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½- —
tanks, frt. alld.....lb. .08 - —
tankwagons, frt. alld....lb. .08½- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .07½- —
dms., l.c.l., same terms..lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l.....lb. .23 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks.....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Cadmium, iodide, 5-lb. bots....lb. 4.19 - —
25-lb. cns.....lb. 4.05 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100 lb. dms.. lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lb. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms.. lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. dms.....lb. 2.75 - —
100 lbs. or more, 100 lb. dms..lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10 lb. cns..lb. 3.15 - —
5 lb. cns.....lb. 3.10 - 3.25
Citrated, bots.....lb. 2.30 - 2.35
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .30
Calamus root, peeled, N. F., cs., lb. .40 - .45
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06¼- —
l.c.l.....lb. .06¾- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse..... 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., powd., 150-lb. bbls..lb. .50 - —
dms.....lb. .55 - .57
cns.....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .23 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports..ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 35-40% P_2O_5, bgs., c.l.f., Atlantic ports, shipt..unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20½- —
l.c.l., 1 ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs. lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .60 - .72
Calomel, bbls., fib., dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs..lb. .83 - .84
slabs, cs.....lb. .83 - .84
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .66 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs..lb. .0340- .0360
Morocco, bgs.....lb. .0370- .0390
Turkish, bgs.....lb. .0330-.0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 2.25 - 2.30
powd., bxs.....lb. 2.50 - 2.55
Capsicum (see Pepper, red).
Caraway, Dutch.....lb. .23 - .23½
Russian.....lb. .22 - .22½
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works...lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl (see Alcohol, isoamyl).
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08¾
Dioxide, cyls.....lb. .06 .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Carbon tetrachloride, Zone 4, 52½-gal. dms., c.l..gal. .83 - —
l.c.l.....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l.....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.10 - 1.60
decorticated, cs.....lb. .81 - .82
green, bgs.....lb. .61 - .62
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .14 - .16
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .11¼- .14
5 tons, works.....lb. .11¾- .14½
smaller lots, works.....lb. .12¼- .15
80-100 mesh, bgs., c.l.....lb. .11¾- .14½
5 tons, works.....lb. .12¼- .15½
smaller lots, works.....lb. .12¾- .16
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .11½- .12½
80-100 mesh, bgs., c.l., duty paid..lb. .12 - .13
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .17¼- .17¾
No. 1, regular, bls.....lb. .16 - .16½
shortstick, bls.....lb. .13 - .13¼
broken, bls.....lb. .12¼- .12¾
China, rolls, select, bls.....lb. .09¾- .10
broken, extra, bls.....lb. .09½- .10
Saigon, bls.....lb. .15 - .16
Cassia buds, cs.....lb. .13¼- .13½
Cassia fistula, bskts.....lb. .16 - .18
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y..ton.48.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.l.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .39 - .40
Indian.....lb. .17¼- .17¾
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld., lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkg., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld.lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkg., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld., lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkg., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .70 - .75
Roman, bls.....lb. 1.40 - 1.45
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo.....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis., ton.27.00 - —
Indiana.....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex. ton.26.00 - —
Michigan.....ton.32.80 - —
Ohio.....ton.32.80 - —
Penn.....ton.34.80 - —
Utah.....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01⅞- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works, ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
Import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton. No prices
powd., cks., l.c.l., ex dock, ton. No prices
ex whse.....ton. No prices

Chloral hydrate, bots., 1,000 lbs., lb.	.93	-	1.02
500 lbs. lb.	.96	-	1.05
100 lbs. lb.	.98	-	1.07
25 lbs. lb.	1.00	-	1.09
1-10 lbs. lb.	1.05	-	1.12
dms., 1,000 lbs. lb.	.90	-	—
500 lbs. lb.	.93	-	—
100 lbs. lb.	.95	-	—
Chlorinated rubber, standard, c.l., ctns., works. lb.	.32	-	—
100 lbs., ctns. lb.	.35	-	—
smaller lots. lb.	.38	-	—
Chlorine, liq., cyls., c.l., divd., N. Y. lb.	.05¼	-	—
contracts, divd., N. Y. lb.	.05¼	-	—
l.c.l., divd., N. Y. lb.	.07¼	-	—
tanks, single unit, works, frt. equald. 100 lbs.	1.75	-	—
multiple unit, 3 or over, works, frt. equald. 100 lbs.	1.90	-	—
2, works, frt. equald., 100 lbs.	2.15	-	—
1, works, frt. equald., 100 lbs.	2.60	-	—
Chloracetophenone, tins, works. lb.	3.00	-	3.50
Chloroform, tech., 650-lb. dms. lb.	.20	-	—
100-lb. dms. lb.	.22	-	—
50-lb. dms. lb.	.23	-	—
USP, 650-lb. dms. lb.	.30	-	—
100-lb. dms. lb.	.32	-	—
50-lb. dms. lb.	.33	-	—
Chloropicrin, com'l, 180-lb. cyls., works. lb.	.80	-	—
100-lb. cyls., works. lb.	.85	-	—
5-25-lb. cyls., works. lb.	1.00	-	1.15
Chrome acetate, powd., 24%, bbls., divd. lb.	.13½	-	—
solut., 8½%, cs., bbls. lb.	.05¾	-	—
Cake, bulk, c.l., works. ton.	16.00	-	—
Green (see Green, chrome).			
Oxide (see Green, chrome).			
Sulphate, pearls, dms., 100 lbs. lb.	.40	-	—
powd., dms., 100 lbs. lb.	.45	-	—
scale, dms., 100 lbs. lb.	.45	-	—
Trioxide (see Acid, chromic).			
Yellow (see Yellow, chrome).			
Chrysarobin, 5-lb. bot. lb.	5.00	-	—
Cinchona bark, quill, USP, 10 in., medium, cs. lb.	.75	-	.80
20 in., thick, cs. lb.	.75	-	.80
20 in., medium, cs. lb.	.75	-	.80
USP, broken quill, red, bgs., lb.	.21	-	.23
yellow, bgs. lb.	.21	-	.23
Cinchonidine, small crys., cns., 100 ozs. oz.	.89	-	—
Sulphate, N.F., cns. 100 ozs. oz.	.53	-	—

Cinchonidine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs. oz.	.62	-	—
large cryst., cns. 100 ozs. oz.	.66	-	—
Sulphate, N.F., cns. 100 ozs. oz.	.42	-	—

Cinchonine buyers must pay a surcharge of 7c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb.	3.40	-	—
1 and 5-lb. bots. lb.	3.50	-	3.55
100 lbs., dms. lb.	3.30	-	—
Cinnamic alcohol (see Alcohol, cinnamic).			
Aldehyde, f.c.c., cbys. lb.	.85	-	.90
Cinnamon, Ceylon, 2 bls. lb.	.16¾	-	.17¼
3 bls. lb.	.16¼	-	.16¾
Citral, bots., cns. lb.	1.40	-	3.10
Citrine ointment, jars. lb.	.95	-	.97
Citronellal, bots., dms. lb.	.75	-	.80
Citronellol, bots., dms. lb.	1.60	-	1.85
Clove, Amboyna, bgs. lb.	.24½	-	.25
Cloves, Madagascar lb.	.16¼	-	.16¾
Zanzibar lb.	.16¼	-	.16¾
Clover tops, red, bgs. lb.	.40	-	.45
dom., bgs. lb.	.33	-	.35
Coaltar, coal-gas, crude, bbls., c.l., works. bbl.	7.50	-	7.75
l.c.l., works. bbl.	8.25	-	8.50
tanks, works. gal.	.07½	-	.09
refd., bbls., c.l., works. bbl.	8.00	-	8.25
l.c.l., works. bbl.	8.75	-	9.00
tanks, works. gal.	.08¼	-	.10
water-gas, crude, dms., c.l., works. dm.	7.50	-	—
l.c.l., works. dm.	8.25	-	—
refd., dms., c.l., works. dm.	8.00	-	—
l.c.l., works. dm.	8.75	-	—
Cobalt acetate, bbls., kgs., divd., lb.	.80¼	-	—
Carbonate, powd., bgs., works. lb.	1.58	-	—
Chloride, kgs., works. lb.	.85	-	—
Hydrate, bbls. lb.	1.98	-	—
Linoleate, paste, 5%, dms. lb.	.31	-	—
solid, 8½%, bbls. lb.	.33	-	—
Oleate, bbls. lb.	.25	Nom.	
Oxide, black, kgs. lb.	1.84	-	—
Resinate, fused A, bbls. lb.	.13½	-	—
1 %, bbls. lb.	.13	-	—
2 %, bbls. lb.	.14	-	—
3½%, bbls. lb.	.17½	-	—
precip., dms., divd. lb.	.34	-	—
Sulphate, dms. lb.	.65	-	—
Cocaine, hydrochloride, 100 ozs., cns. oz.	9.75	-	—
Cochineal, gray, bgs. lb.	.37	-	.38
Teneriffe, silver, bgs. lb.	.38	-	.39
Cocoa butter, bulk, c.l., bgs. lb.	.1040	-	—
Cocillana bark, bgs. lb.	.28	-	.30
Codeine, cns., 100 ozs. oz.	11.70	-	—
Hydrochloride, cns., 100 ozs. oz.	10.50	-	—
Phosphate, cns., 100 oz. oz.	9.00	-	—
Sulphate, cns., 100 ozs. oz.	9.50	-	—
Codliver oil (see Oil, codliver).			
Cohosh, black, root, bls. lb.	.07	-	.08
Blue, root, bls. lb.	.07	-	.08
Colchicine, bots., cns. oz.	20.00	-	25.00
Colchicum seed, bgs. lb.	1.05	Nom.	
Collodion, USP, dms., 325 lbs. lb.	.12½	-	—
cns., 25 lbs. lb.	.16	-	—
flexible, USP, dms., 325 lbs. lb.	.14½	-	—
cns., 25 lbs. lb.	.18	-	—
Colocynth pulp, bls. lb.	.55	-	.56
Colombo root, bls. lb.	.15	-	.16
Coltsfoot leaves, bgs. lb.	.25	-	.27
Condurango bark, bgs. lb.	.11	-	.12
Conium leaves, bls. lb.	.80	-	.82
Copaiba balsam, Para, cns. lb.	.31	-	.32
S.A., USP, cns. lb.	.33	-	.34
Copper acetate, normal, bbls., divd. lb.	.22	-	—
smaller containers, divd. lb.	.24	-	—
Carbonate, 52-54%, bbls. lb.	.1570	-	—
Chloride, cryst., bbls. lb.	.15¾	-	.16
Cyanide, tech., bbls. lb.	.34	Nom.	
Iodide, bots. lb.	5.13	-	5.19
Metal electrolytic lb.	.11	-	—
Nitrate, cryst., bbls. lb.	.16¼	-	—
Oleate, precip., bbls. lb.	.20	-	—
Oxide, black, 79-80%, bbls., tons, works. lb.	.18	-	—
Red, com'l., 80-88%, kgs., f.o.b. N.Y. lb.	.19½	-	—
Resinate, precip., bbls. lb.	.15	-	.16
Stearate, precip., bbls. lb.	.23½	-	.24½
Sulphate, 99% cryst., bbls., c.l., f.o.b. works. 100 lbs.	4.45	-	—
l.c.l., 16-50 bbls., same basis, 100 lbs.	4.60	-	—
6-15 bbls., same basis, 100 lbs.	4.80	-	—
1-5 bbls., same basis, 100 lbs.	5.05	-	—
Copper, sulphate, monohydrated, dms., c.l., dealers, f.o.b. works. 100 lbs.	8.95	-	9.20
l.c.l., dealers. 100 lbs.	9.95	-	10.20
Copperas, cryst., gran., bgs., c.l., works. ton.	18.00	-	—
bbls., c.l., works. ton.	20.00	-	—
l.c.l., 25 ur over, works, 100 lbs.	1.55	-	—
5-24, works. 100 lbs.	1.65	-	—
1-4, works. 100 lbs.	2.00	-	—
bulk, c.l., works. ton.	14.00	-	—
Copra, Coast, shipt. lb.	.0140	Nom.	
Coriander, bags. lb.	.0460	-	.0480
bleached, bgs. lb.	.08	-	.08½
Corn sugar, tanner's chipped, bgs., c.l., divd. 100 lbs.	3.39	-	—
slabs, bbls., c.l. 100 lbs.	3.31	-	—
solid, bbls., c.l. 100 lbs.	3.43	-	—
Syrup, 42°, bbls., c.l. 100 lbs.	3.42	-	—
43°, bbls., c.l. 100 lbs.	3.47	-	—
Cornsilk, bls. lb.	.15	-	.16
Corrosive sublimate, cryst., dms., 50 lbs. or more. lb.	2.39	-	—
gran., powd., dms., 50 lbs. or more. lb.	2.24	-	—
Cottonroot bark, bls. lb.	.10	-	.11
Cottonseed, hull ash, 32-36% pot-ash, bgs., divd., unit-ton.	1.10	-	—
meal, 8%, Southeast mills. ton.	27.50	-	—
Coumarin, 5 lbs., or more, 25-lb. cns. lb.	2.75	-	3.00
5-lb. cns. lb.	2.85	-	3.10
1-lb. cns. lb.	3.00	-	3.25
1-oz. cns. lb.	3.35	-	3.60
less than 5 lbs., cns. lb.	4.15	-	4.65
Cramp, bark, genuine, bls. lb.	.23	-	.24
so-called, bls. lb.	.06	-	.07
Cranesbill root, bls. lb.	.16	-	.18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb.	.34¼	-	—
smaller lots, bbls. lb.	.34¾	-	—
kgs. lb.	.35¼	-	—
Creosote, beechwood, bots. lb.	No prices		
hardwood, USP, bots. lb.	.45	-	.47
Pine, dms. gal.	.28	-	—
Carbonate, bots., cbys. lb.	1.90	-	2.29
Oil, crude, tanks, works. gal.	.13¼	-	.14¼
Coaltar, solution, tanks, works. gal.	.122	-	.132
refd., bbls., l.c.l., works. gal.	.25	-	—
tanks, works. gal.	.18	-	.18½
Cresol, USP, dms., c.l., works. lb.	.09¾	-	—
l.c.l., same basis. lb.	.10¾	-	—
special resin grade, dms., l., works. lb.	.08¾	-	—
l.c.l., same basis. lb.	.09¼	-	—
Crotonaldehyde, 97%, 55 and 110 gal. c.l., works. lb.	.11	-	—
l.c.l., works. lb.	.12	-	—
5 and 10 gal. dms., works. lb.	.15	-	—
Cube root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equaled, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more. lb.	.24	-	.25
2,000 lbs. to 10,000 lbs. lb.	.25	-	.26
1,000 lbs. to 2,000 lbs. lb.	.26	-	.27
200 lbs. to 1,000 lbs. lb.	.27	-	.28

4% rotenone prices are 4c. per lb. less.

Cube, powd., contracts have no protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.

Cubeb berries, XX, bgs. lb.	.42	-	.44
powd., cs. lb.	.47	-	.48
Culver's root, bls. lb.	.16	-	.17
Cumin seed, Morocco, bgs. lb.	.17½	-	.18
Cyprus, bgs. lb.	.16	-	.16½
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid. lb.	.04¼	-	—
Cyanamide, 22% N_2, pulv., bgs., divd., contracts, N_2. unit-ton.	1.40	-	—
Cyanide-chloride, mixture, 45%, gran., dms. lb.	.10¾	-	—
lump, dms. lb.	.09¾	-	—
75%, gran., dms. lb.	.15	-	—
Cyclohexane, 98-100%, dms., works, frt. alld. E. of Rockies. lb.	.25	-	—
Cyclohexanol, 98-100%, dms., works, frt. alld. E. of Rockies. lb.	.30	-	—
Cyclohexanone, 98-100%, dms., works, frt. alld. E. of Rockies. lb.	.40	-	—

D

Damiana leaves, bls. lb.	.17	-	.24
Dandelion root, German, bls. lb.	.55	-	.60
Decanol, normal, tech., 360 lb. dms., divd. lb.	.35	-	—
Deertongue leaves, bls. lb.	.12	-	.14
Degras common, dom., bbls. lb.	.08	-	.09½
neutral, dom., bbls. lb.	.13½	-	.16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y., frt. equal'd, with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more. lb.	.24	-	.28
2,000 lbs. to 10,000 lbs. lb.	.26	-	.30
1,000 lbs. to 2,000 lbs. lb.	.28	-	.32
200 lbs. to 1,000 lbs. lb.	.30	-	.34

4% rotenone prices are 6c. per lb. less.

Derris root, powd., contracts give no protection against decline in price. Part deliveries against contracts are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

Derris, extract, 25% rotenone, bulk, cns. lb.	4.00	-	5.00
15% rotenone, bulk, cns. lb.	2.25	-	3.25
Dextrin, British gum, c.l., f.o.b. Chicago. 100 lbs.	4.05	-	—
l.c.l., f.o.b. Chicago. 100 lbs.	4.15	-	—
Corn, canary, bgs., c.l., f.o.b. Chicago. 100 lbs.	3.80	-	—
l.c.l., f.o.b. Chicago. 100 lbs.	4.00	-	—
white, bgs., c.l., f.o.b. Chicago. 100 lbs.	3.75	-	—
l.c.l., f.o.b. Chicago. 100 lbs.	3.95	-	—
Potato, import, bgs. lb.	.08½	Nom.	
Diacetone (see under Alcohol).			
Diacetyl, bots. lb.	10.00	-	11.00
Diamyl ether, dms., c.l., works, lb.	.085	-	—
l.c.l., works. lb.	.092	-	—
tanks, works. lb.	.075	-	—
Oxalate, dms., l.c.l., works. lb.	.80	-	—
Phthalate, dms., c.l., divd. lb.	.21	-	—
l.c.l., divd. lb.	.21½	-	—
tanks, divd. lb.	.20	-	—
Sulphide, dms., l.c.l., works. lb.	1.10	-	—
Diamylamine, dms., c.l., works, lb.	.47	-	—
l.c.l., works. lb.	.48	-	.50
tanks, works. lb.	.45	-	—
Diamylene, dms., c.l., works. lb.	.095	-	—
l.c.l., works. lb.	.102	-	—
tanks, works. lb.	.085	-	—
Diamylnaphthalene, dms., l.c.l., works. lb.	.20	-	—
Diamylphenol (2, 4), dms., c.l., works. lb.	.17	-	—
l.c.l. lb.	.20	-	—
Diatomaceous earth, dom., bgs., l.c.l., Pacific cst., works, ton.	22.00	-	35.00
l.c.l., ex whse. ton.	45.00	-	50.00
Import, bgs., c.l., c.l.f. ton.	No prices		
Dibutylamine, dms., c.l., works, lb.	.50	-	—
l.c.l. lb.	.51	-	.53
tanks, works. lb.	.48	-	—
Dibutyl ether (see Ether, butyl).			
Phthalate, dms., c.l., divd. lb.	.19	-	—
l.c.l., divd. lb.	.19½	-	—
tanks, divd. lb.	.18	-	—
cns., works. lb.	.23½	-	.25½
Sebacate, dms., works. lb.	.50	-	—
Tartrate, dom., dms. lb.	.50	-	—
Dicalcium phosphate (see Calcium phosphate dibasic).			
Dichlorethyl ether, dms., c.l., works. lb.	.15	-	—
l.c.l., works. lb.	.16	-	—
tanks, works. lb.	.14	-	—
Dichloropentane, dms., c.l., works, lb.	.0221	-	—
l.c.l. lb.	.04	-	—
tanks lb.	.025	-	—
Diethanolamine, dms., c.l., works, lb.	.23½	-	—
l.c.l., works. lb.	.24½	-	—
tanks, works. lb.	.22½	-	—
Diethylamine, dms., l.c.l., works, lb.	.70	-	—
Diethylcarbonate, coml., dms. lb.	.33	-	—
refd., 99%, dms. lb.	.35	-	—
Carbinol (see Carbinol).			
Oxalate, dms., l.c.l., divd. lb.	.27	-	—
Phthalate, dms., c.l., frt. alld., lb.	.19	-	—
l.c.l. lb.	.19½	-	—
tanks lb.	.18	-	—
Sulphate, dms., c.l., works. lb.	.13	-	—
l.c.l., works. lb.	.14	-	—
tanks lb.	.12	-	—
Diethylanilin, dms. lb.	.40	-	—
Diethyleneglycol, dms., c.l., works, lb.	.14½	-	—
l.c.l., works. lb.	.15½	-	—
Monobutylether, dms., works. lb.	.22½	-	.24½
Monoethylether, dms., c.l., works, lb.	.14½	-	—
l.c.l., works. lb.	.15½	-	—
tanks, works. lb.	.13½	-	—
Digitalis leaves, dms. lb.	.35	-	.40
Diglycol, laurate, c.l. lb.	.16	-	—
Oleate, light, bbls., c.l. lb.	.17	-	—
Stearate, bbls., c.l. lb.	.22	-	—
Di-isobutyl ketone, dms., works, lb.	.19	-	—
Dillseed, recleaned, bgs. lb.	.11	-	.12
Dimethyl phthalate, dms., c.l., divd. lb.	.18½	-	—
l.c.l., divd. lb.	.19	-	—
tanks, divd. lb.	.17½	-	—
Dimethylanilin, dms., c.l. lb.	.23	-	—
l.c.l., dms. lb.	.24	-	—
Dimethylamine, dms., c.l., divd., lb.	1.00	-	—
l.c.l., divd. lb.	1.05	-	—
Dimethylethyl carbinol (see Carbinol).			
Dinitrobenzene, bbls., 80° min., lb.	.18	-	—
Dinitrochlorobenzene, dms. lb.	.14	-	—
Dinitronaphthalene, kgs. lb.	.35	-	.38
Dinitrophenol, bbls. lb.	.22	-	—
Dinitrotoluene, dms. lb.	.15½	-	—
oily, dms. lb.	.09	-	—
Diorthotoluoylguanidin, dms., 2,000 lbs. or over, divd. lb.	.44	-	—
600-1,950 lbs., divd. lb.	.46	-	—
150-450 lbs., divd. lb.	.47	-	—
Dioxan, dms., c.l., frt. alld. lb.	.20	-	—
l.c.l., same basis. lb.	.21	-	—
tanks, same basis. lb.	.19	-	—
Dip oil (see Tar acid oil).			
Dipentene, dms. gal.	.47	-	.50
tanks gal.	.41	-	—
dest., dist., dms. gal.	.45	-	.48
tanks gal.	.38	-	—
Diphenyl, bbls., c.l., works. lb.	.15	-	—
l.c.l., works. lb.	.16	-	.20
Oxide, perfume grade, cns. lb.	.50	-	.55
Diphenylamine, bbls. lb.	.25	-	—
Diphenylguanidin, dms., 2,000 lbs., or over, divd. lb.	.35	-	—
600-1,950 lbs., divd. lb.	.36	-	—
150-450 lbs., divd. lb.	.37	-	—
Diphenylmethane, bots. lb.	1.40	-	3.00
Dimethylethyl carbinol (see Carbinol).			
Doggrass root, cut, N. F., bls. lb.	.35	-	.40
Dogwood bark, Jamaica, bls., lb.	.08	-	.10
Dovers powder, USP, cns. lb.	2.75	-	2.80
Dragon's blood, mass, cs. lb.	.65	-	.85
reeds, cs. lb.	1.00	-	1.05

Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—

Blue, FD&C blue, No. 1 cns. lb.	13.50	-	—
FD&C blue, No. 2, cns. lb.	13.50	-	—
FD&C green, No. 2, cns. lb.	17.50	-	—
FD&C green, No. 3, cns. lb.	27.50	-	—
Green, FD&C green, No. 1, cns. lb.	13.50	-	—
Orange, FD&C orange, No. 1, cns. lb.	2.90	-	—
FD&C orange, No. 2, cns. lb.	3.65	-	—
Red, FD&C red, No. 1, cns. lb.	6.00	-	—
FD&C red, No. 2, cns. lb.	3.15	-	—
FD&C red, No. 3, cns. lb.	17.50	-	—
FD&C red, No. 4, cns. lb.	5.75	-	—
FD&C red, No. 32, cns. lb.	4.15	-	—
Yellow, FD&C yellow, No. 1, cns. lb.	8.50	-	—
FD&C yellow, No. 3, cns. lb.	2.65	-	—
FD&C yellow, No. 4, cns. lb.	2.65	-	—
FD&C yellow, No. 5, cns. lb.	3.15	-	—
FD&C yellow, No. 6, cns. lb.	3.15	-	—

Dyes, coaltar (certified colors), for drugs and cosmetics:—

Black, D&C black, No. 1, lb.	8.35	-	—
Blue, D&C blue, No. 6. lb.	13.50	-	—
Brown, D&C brown, No. 1, cns. lb.	12.35	-	—
Green, D&C green, No. 5, cns. lb.	12.35	-	—
D&C green, No. 6, cns. lb.	12.35	-	—
Orange, D&C orange, No. 3, cns. lb.	8.35	-	—
D&C orange, No. 4 cns. lb.	15.35	-	—
D&C orange, No. 10, cns. lb.	15.85	-	—
D&C orange, No. 11, cns. lb.	17.75	-	—
Red, D&C red, No. 5. lb.	6.00	-	—
D&C, red, No. 17. lb.	8.35	-	—
D&C, red, No. 18. lb.	18.35	-	—
D&C red, No. 19, cns. lb.	15.35	-	—
D&C red, No. 22, cns. lb.	8.35	-	—
D&C red, No. 33. lb.	13.35	-	—
D&C red, No. 37, cns. lb.	12.35	-	—
Yellow, D&C yellow, No. 7, cns. lb.	8.35	-	—
D&C yellow, No. 8, cns. lb.	8.35	-	—
D&C yellow, No. 11. lb.	10.35	-	—

Dyes, coaltar (certified colors) for external use drugs and cosmetics:—

Blue, Ext.D&C blue, No. 1, cns. lb.	12.35	-	—
Green, Ext.D&C, green, No. 1, cns. lb.	12.35	-	—
Red, Ext.D&C, red, No. 1, cns. lb.	10.35	-	—
Ext.D&C, red, No. 3. lb.	21.85	-	—
Ext.D&C, red, No. 8. lb.	7.85	-	—
Ext.D&C, red, No. 10, cns. lb.	12.35	-	—
Ext.D&C, red, No. 13, cns. lb.	12.35	-	—
Yellow, Ext.D&C, yellow, No. 1, cns. lb.	8.35	-	—

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—

36 Chrome yellow 2G. lb.	.65	-	.70
40 Chrome yellow R. lb.	.50	-	1.60
53 Victoria violet. lb.	.80	-	1.00
165 Lake red C. lb.	.70	-	.80

Chloral Hydrate—Dyes

Dyes, coaltar, for general use (numbers are those of Colour Index scale):—

176 Fast red A. lb.	.56	-	.60
180 Fast red VR. lb.	1.50	-	1.60
189 Lake red R, powd. lb.	3.00	-	3.10
Sulphur tan. lb.	.30	-	.50
202 Chrome blue black U. lb.	.32	-	.40
204 Chrome black A. lb.	1.75	-	2.00
208 Fast red blue R. lb.	.75	-	2.00
216 Chrome red B. lb.	1.75	-	2.00
262 Cloth red 2B. lb.	.60	-	.80
289 Fast cyanin 5R. lb.	.90	-	1.00
299 Chrome black F. lb.	.60	-	.65
307 Fast cyanin black B. lb.	.80	-	.85
326 Direct cast scarlet. lb.	2.00	-	2.25
304 Paper yellow. lb.	.83	-	.90
365 Chrysophenin G. lb.	.68	-	.70
394 Direct violet N. lb.	1.25	-	1.35
382 Direct scarlet B. lb.	1.50	-	1.75
387 Direct violet B. lb.	1.00	-	1.30
401 Developed black BHN, lb.	.45	-	.60
406 Direct blue 2B. lb.	.25	-	.30
415 Direct orange R. lb.	.60	-	.70
419 Direct fast red F. lb.	.75	-	.85
420 Direct brown M. lb.	1.00	-	1.10
448 Benzo purpurin 4B. lb.	.40	-	.42
495 Benzo purpurin 10B. lb.	.40	-	.50
502 Direct azurin G. lb.	.75	-	.80
513 Direct blue RD. lb.	.80	-	1.00
518 Direct pure blue 6B. lb.	1.10	-	1.25
520 Direct pure blue. lb.	.50	-	1.00
529 Direct fast black FF. lb.	.55	-	1.00
581 Direct black EW. lb.	.25	-	.50
582 Direct black RX. lb.	.35	-	.45
593 Direct green B. lb.	.75	-	.80
594 Direct green G. lb.	1.00	-	1.05
596 Direct brown 3GO. lb.	.85	-	1.00
620 Direct yellow R. lb.	1.25	-	1.50
698 Acid violet. lb.	1.00	-	3.00
812 Primulin lb.	.50	-	.52
814 Direct fast yellow. lb.	2.00	-	2.25
845 Nigrosin (water soluble), lb.	.33	-	.50
1177 Indigo, 20 p. c. paste. lb.	.15	-	.18
Benzo fast black L. lb.	.90	-	1.00
Sulphur black. lb.	.20	-	.25
Sulphur blue. lb.	.40	-	1.00
Sulphur brown. lb.	.25	-	.50
Sulphur maroon. lb.	.40	-	—
Sulphur olive. lb.	.25	-	.54
Sulphur yellow. lb.	.30	-	.50
Zambesi black. lb.	.75	-	.80

Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—			
865 Nigrosin derivatives. lb.	.38	-	.62
Blue:—			
1075 Alizarin astrol base. lb.	15.00	-	—
1078 Alizarin cyanin green base. lb.	6.00	-	—
Browns:—			
Brown lb.	1.15	-	—
Green:—			
1078 Alizarin cyanin green. lb.	5.00	-	—
Green lb.	.75	-	—
Orange:—			
24 Sudan I. lb.	.75	-	—
Orange, red shade. lb.	.75	-	—
Red:—			
75 Sudan II. lb.	1.05	-	—
258 Sudan IV. lb.	.95	-	—
749 Rhodamine B (oil pink), lb.	2.50	-	—
1080 Anthraquinone violet base. lb.	6.00	-	—
680 Oil violet. lb.	.50	-	—
Yellow:—			
15 Amidoazobenzene yellow. lb.	.90	-	—
17 Amidoazotoluene yellow, lb.	.75	-	—
61 Yellow OB. lb.	1.40	-	—

Dyes, coaltar, for stains, spirit-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—			
864 Nigrosin lb.	.38	-	.44
Blue:—			
860 Indulin lb.	.60	-	.70
Brown:—			
331 Bismarck brown. lb.	1.50	-	—
Green:—			
637 Malachite green base. lb.	2.00	-	—
Orange:—			
20 Chrysoidin G. lb.	.95	-	—
21 Chrysoidin R. lb.	.95	-	—
Red:—			
677 Fuchsin, magenta base, lb.	7.25	-	—
749 Rhodamine B. lb.	4.75	-	—
Yellow:—			
67 Amidoazotoluene yellow, lb.	.75	-	—
655 Auramine lb.	2.00	-	—
800 Chinolin yellow SS. lb.	2.00	-	—
Violet:—			
680 Methyl violet base. lb.	.85	-	—

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—			
246 Naphthol blue black S, lb.	.50	-	—
873 Methylene gray. lb.	1.50	-	—
Blue:—			
714 Patent blue A. lb.	1.45	-	—
729 Victoria blue B. lb.	2.00	-	—
861 Indulin lb.	.87	-	—
909 New blue R. lb.	1.30	-	—
922 Methylene blue. lb.	1.00	-	—
1054 Alizarin saphirol B. lb.	1.00	-	—
1180 Indigotin IA. lb.	.85	-	—
Brown:—			
234 Resorcin brown Y. lb.	.65	-	—
235 Resorcin dark brown R, lb.	.66	-	—
231 Bismarck brown G. lb.	.40	-	.52
332 Bismarck Brown R. lb.	.40	-	.52
793 Phosphin lb.	4.65	-	—
Green:—			
5 Naphthol green B. lb.	1.00	-	—
657 Malachite green. lb.	1.35	-	—
662 Brilliant green. lb.	2.00	-	—
666 Guinea green B. lb.	1.15	-	—
737 Wool green S. lb.	.58	-	—
924 Methylene green B. lb.	1.55	-	—
1078 Alizarin cyanin green, lb.	2.35	-	—
Orange:—			
10 Chrysoidin G. lb.	.40	-	—
21 Chrysoidin R. lb.	.37	-	—
27 Orange G. lb.	.50	-	—
151 Orange Y. lb.	.30	-	—
161 Orange R. lb.	.34	-	—
31 Amidonaphthol red G. lb.	.42	-	—
87 Amidonaphthol red 6B, lb.	.68	-	—
79 Popceau R. lb.	.48	-	—
88 Fast red B. lb.	1.05	-	—
176 Fast red A. lb.	.54	-	—
179 Azorubin lb.	.60	-	.62
183 Crocein scarlet 3BX. lb.	.72	-	.75
185 Cochineal red A. lb.	.60	-	—
252 Brilliant crocein M. lb.	.68	-	—
677 Fuchsin lb.	2.10	-	—
749 Rhodamine B. lb.	3.50	-	—
752 Rhodamine 6G. lb.	4.50	-	—
768 Eosin G. lb.	1.50	-	—
841 Safranin lb.	1.45	-	—

Dyes—Gum, Ester

Dyes, coaltar, water-soluble.
Violet:—
690 Methyl violet B.....lb. .75 - —
691 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S...lb. .88 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow.....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartarzin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .18
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .59 - .62
imported .....lb. .50 - .55
Elder flowers, bright, bls.....lb. .50 - .55
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .13
powd., bbls, bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz.24.00 -28.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, tins, 1,000 ozs.....oz. .85 - —
tins, 100 ozs.....oz. .95 - —
Hydrochloride, tins, 1,000-oz lots..oz. .65 - —
tins, 100-oz. lots.....oz. .75 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .65 - —
tins, 100-oz. lots.....oz. .75 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots.....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots.....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots.....100 lbs. 2.85 - —
dried, dom., bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 2.75 - 2.80
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.36.00 - —
Sulphate, bots.....oz.36.00 - —
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works....lb. .08 - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
lb. .26 - —
USP, 1880, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07 - —
l.c.l., frt. alld.....lb. .07½ - —
tanks, frt. alld.....lb. .06 - —
95-98%, dms., c.l., frt. alld.lb. .07¼ - —
l.c.l., frt. alld.....lb. .07¾ - —
tanks, frt. alld.....lb. .06¾ - —
N.F., 460-lb. dms.....lb. .09½ - —
cns., 55 lbs.....lb. .14 - —
Acetoacetate, dms., c.l., wks..lb. .27½ - —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55-gal. dms., dlvd., lb. .35 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., dlvd....lb. .75 - —
Formate, cns., dms.....lb. .25 - .26
Iodide, bots.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works..lb. .33½ - —
5-gal. dms., works.....lb. .37½ - .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns.....lb. 6.05 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
500 lbs. or more, frt. alld., lb. .47 - —
500 lbs. or more, frt. alld.lb. .48 - —
100 to 499 lbs., frt. alld..lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0595- —
West of Rockies, same basis..lb. .0644- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0694- —
West of Rockies, same basis..lb. .0743- —
Ethylenegiycol, dms., c.l.....lb. .14½ - —
l.c.l. .....lb. .15½ - .18¼
tanks .....lb. .13½ - —
Monobutylether, dms., c.l.,works, lb. .16½ - —
l.c.l., works.....lb. .17½ - .20¼
tanks, works.....lb. .15½ - —
Monoethylether, dms., c.l.,works, lb. .14½ - —
l.c.l., works.....lb. .15½ - .18½
tanks, works.....lb. .13½ - —
Monoethylether, acetate, dms., c.l., works..lb. .11½ - —
l.c.l., dms.....lb. .12½ - .15¼
tanks, works.....lb. .10½ - —
Monomethylether, dms., c.l., works..lb. .15½ - —
l.c.l., works.....lb. .16½ - —
tanks, works.....lb. .14½ - —
Ethylidinanilin, dms.....lb. .45 - .47¼
Eucalyptol, cns., dms.....lb. .80 - .85
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .10 - .11

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -17.50
l.c.l., minimum 2 tons..ton.17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton.12.75 -16.25
pottery, bulk, Me., works...ton.17.00 -19.00
N. C., works.....ton.17.00 -19.00
l.c.l., minimum 2 tons.ton.20.00 -22.00
Fennel seed, Indian, bgs.....lb. .13½- .14
French, bgs.....lb. .35 Nom.
German, large, bgs.....lb. .33 Nom.
Roumanian, bgs.....lb. .14 - .14½
Fenugreek seed, bgs.....lb. .04½- .05
Ferric, sulphate, anhyd., c.l., works..ton.35.00 - —
l.c.l. .....ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs., or over, works..lb. .13 - —
smaller lots, works...lb. .14 - —
light, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller Lots, works....lb. .15 - —
water white, cs., 1,900 lbs. or over, works..lb. .15 - —
smaller lots, works....lb. .16 - —
Fir balsam, Canada, cns....gal.15.50 -16.00
Oregon, bbls.....gal. 1.10 - 1.15
Fish berries, bgs.....lb. .15 - .17
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 3.10 & .10
bgs., f.o.b. Balto....ton.50.00 - —
6-7% ammon., 3% phosphor, acid, bulk, So. Atlantic factories, contracts..... unit-ton. 2.25 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Aug. shipt..ton.51.00 - —
spot..ton.51.00 - —
Flaks white, dom., bbls.....lb. .08¾- —
kegs .....lb. .10¾- —
Fleaseed, French, black, bgs..lb. .32 - .35
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton.32.60 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton.20.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton.20.00 - —
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0515- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fullers earth, dom., bgs., c.l., f.o.b Fla., Ga. mines..ton.15.00 - —
import., bgs., c.l., ex dock.ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .18
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl. dlvd., lb. .16 - .17¼
Fustic extract, cryst., bbls....lb. .24 - .25
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .12
Gambier, common, cases.....lb. .07 Nom.
plantation, cases.....lb. .10-.10½ Nom.
Cubes, Singapore, cases.lb. .10-.10½ Nom.
extract, bbls.....lb. .09½- .12
Gasoline, at refinery:—
Bayonne, US motor, below 65 octane, tanks..gal. .06- .06½
65 octane and above, tanks, gal.. .06¾- .07¼
California, 54-58, tanks...gal. .05 - .06½
Gulf Coast, U. S. Motor, bulk, gal. .05¼- —
60-62, 390 e.p., bulk, export, gal. .05¼- —
68-67, 375 e.p., bulk, export, gal. .05½- —
70-72, 400 e.p., bulk, export, gal. 06 - —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .04¼- .04¾
63-66 octane, tanks....gal. .04¼- .04½
67-69 octane, tanks....gal. .04½- .04⅝
72-74 octane, tanks....gal. .04¾- .05
Oklahoma-Texas, Us motor, 62 octane and below, tanks..gal. .03⅝- .04
third grade, tanks.....gal. .03⅝- .04
63-66 octane, tanks....gal. .03¾- .04⅝
67-69 octane, tanks....gal. .03⅞- .04¼
70-72 octane, tanks....gal. .04¼- .04⅝
natural, 18-55, tanks.....gal. .01½- .01⅞
26-70, tanks.....gal. .01¼- .01½
Gelatine, silver, cs.....lb. .42 - .43
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .18 - .20
grd., bbls., bxs.....lb. .23 - .25
powd., bbls., bxs.....lb. .24 - .26
Geraniol, cns., dms.....lb. .60 - 3.00
Ginger, African, No. 1, bags..lb. .05½- .06
Cochin, lemon, bgs.....lb. .10¾- .11
Jamaica, bold, bgs.....lb. .10 - .10¼
medium, bgs.....lb. .10½- .11
grinding, bright, bgs.....lb. .08¾- .09¼
Japanese, bgs.....lb. .08 - .08¼
Ginseng root, wild Southern, cs., lb 12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works...100 lbs. .95 - 1.18
5 tons or over, works....100 lbs. 1.05 - 1.25
less than 5 tons, woks. 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .13½- —
l.c.l., dlvd.....lb. .14 - —
36/38, bgs., c.l., dlvd....lb. .13 - —
l.c.l., dlvd.....lb. .13½- —
38/82, bgs., c.l., dlvd....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
82/108, bgs., c.l., dlvd....lb. .15 - —
l.c.l., dlvd.....lb. .15½- —
58 millipoise, 135 jellygrams, bgs., c.l., dlvd., East, Middlewest..lb. .15 - —
l.c.l., same basis.....lb. .15½- —
60/164, bgs., c.l., same basis, lb. .16½- —
l.c.l., same basis.....lb. .17 - —
l.c.l., same basis.....lb. .18 - —
hide, calcimine type, 75/222, bgs., c.l., same basis..lb. .18½- —
l.c.l., same basis.....lb. .19½- —
88/251, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20½- —
92/283, bgs., c.l., same basis..lb. .20¼- —
l.c.l., same basis.....lb. .21½- —
102/315, bgs., c.l., same basis..lb. .21 - —
l.c.l., same basis.....lb. .22 - —
118/347, bgs., c.l., same basis..lb. .22 - —
125/379, bgs., c.l., same basis, lb. .23 - —
l.c.l., same basis.....lb. .24 - —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms. c.l., dlvd.....lb. .12¼- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .12¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .12 - —
l.c.l., dlvd.....lb. .12¼- —
tanks, dlvd.....lb. .11¾- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd.lb. .13 Nom.
l.c.l., same basis....lb. .14 Nom.
tanks .....lb. .12 Nom.
for refiners, dms., returnable, tanks, dlvd..lb. .08¾- .09
soapiye, basis 80%, dms., tanks, returnable, dlvd..lb. .07¾- .08¼
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, bots...oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs....lb. .14½- —
Goldenseal, root, bls.....lb. 3.00 - 3.05
powd., bxs.....lb. 3.25 - 3.30
Grains of paradise, bgs.....lb. .46 - .48
Graphite, flake (cryst.), 90%, 325 mesh, 50% graphitic carbon., bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06½- —
l.c.l., works.....lb. .06½- —
amorph., powd., 90%, 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house, loose.....lb. .03 Nom.
white .....lb. .03¾ Nom.
yellow .....lb. .03 Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —
31-35%, bbls., same basis.lb. .25½- —
36-40%, bbls., same basis.lb. .27 - —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
Green, chrome, prices are ¼c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9 10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17½- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .88 - —
Paris (see P).
Tungstated, brilliant, kgs....lb. 2.50 - —
emerald, kgs.....lb. 2.35 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .30 - .35
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, fib., dms., 25 lbs..lb. 2.40 - 2.74
Guarana powd., cs.....lb. 1.20 - 1.25
Gum, aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .14 - .15
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .18 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.60
Sumatra, cs.....lb. .18 - .20
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. No prices
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49½- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.
Copal, Congo, 1, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .24½- —
4, pale bold straw, bgs., c.l., same basis..lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
Gum, copal, Congo:—
9, medium light amber bold, bgs., c.l., same basis..lb. .13⅞- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13⅝- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12⅝- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11⅞- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09½- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23⅜- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10⅜- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18⅝- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18⅝- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12⅝- —
22, small mixed nubs, bgs., c.l., same basis..lb. .10⅜- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11⅞- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17⅜- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10⅜- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold, scraped, bgs., c.l., same basis..lb. .07¼- —
unscraped, bgs., c.l., same basis..lb. .06¼- —
chips, bgs., c.l., same basis..lb. .05¼- —
dust, bgs., c.l., same basis..lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05½- —
black, bold, scraped, bgs., c.l., same basis..lb. .09¼- —
unscraped, bgs., c.l., same basis..lb. .06½- —
nubs and chips, bgs., c.l., same basis..lb. .06¼- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .13⅞- —
chips, bgs., c.l., same basis, lb. .07½- —
dust, bgs., c.l., same basis, lb. .05¾- —
nubs, bgs., c.l., same basis..lb. .11⅛- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15⅝- —
chips, bgs., c.l., same basis, lb. .08⅛- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .13⅞- —
light, bskts., c.l., same basis..lb. .15⅝- —
Loba A, bskts., c.l., same basis..lb. .14¼- —
B, bskts., c.l., same basis, lb. .13⅝- —
C, bskts., c.l., same basis, lb. .13¼- —
CNE, bskts., c.l., same basis..lb. .10¼- —
D, bskts., c.l., same basis, lb. .12⅞- —
DK, bskts., c.l., same basis, lb. .09⅞- —
dust, bskts., c.l., same basis..lb . .06⅞- —
Sambas and white split chips, bskts., c.l., same basis..lb. .15⅝- —
Singapore, dust, bskts., c.l., same basis..lb. .06⅞- —
spirit-soluble, CBB, bskts., basis..lb. .12¼- —
DBB, bskts., c.l., same basis, lb. .12¼- —
MA, bskts., c.l., same basis, lb. .09 - —
MB, bskts., c.l., same basis, lb. .08¼- —
WS, bskts., c.l., same basis..lb. .12¼- —
A/D, cs., c.l., same basis.lb. .13⅞- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .09⅝- —
chips, pale, bskts., c.l., same basis..lb. .13 - —
pale, small, bskts., c.l., same basis..lb. .11¼- —
extra pale sorts, bskts., c.l., same basis..lb. .12½- —
nubs, bskts., c.l., same basis ..lb. .14¼- —
pale, scraped, bskts., c.l., same basis..lb. .15⅝- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine, bgs., same basis..lb. .15⅝- —
mixed, bgs., c.l., same basis, lb. .14⅝- —
split, bgs., c.l., same basis, lb. .13⅜- —
Chips, bgs., c.l., same basis.lb. .10 - —
nubs, bgs., c.l., same basis, lb. .12⅝- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21⅝- —
A/C, cs., c.l., same basis.lb. .15¼- —
A/E, cs., c.l., same basis.lb. .12⅞- —
B, cs., c.l., same basis...lb. .20¼- —
C, cs., c.l., same basis...lb. .14⅝- —
D, cs., c.l., same basis...lb. .13¼- —
dust, cs., c.l., same basis.lb. .07⅝- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis...lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16⅝- —
2, cs. c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis.....lb. .07¼- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07¼- —
seeds, cs., c.l., same basis.lb. .09⅞- —
Elemi, cns., c.l., same basis as copal..lb. .10½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contrs. or single shipt., 19,000 lbs.....lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
dlvd., Western N.Y. and Pa., Ohio, Mich., In.., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va., and N.C., 75,000 lbs., contrs. or straight c.l. lb. .06¾- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight, c.l..lb. .07 - .07¼
l.c.l., same basis.....lb. .07¼- .07¾

Gum, Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.50 - 1.60
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18¼- —
80%, chips, c.s., c.l., same basis..lb. .12¼- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis...lb. .41 - —
2, cs., c.l., same basis...lb. .24 - —
3, cs., c.l., same basis...lb. .17¾- —
Kino, tins.....lb. 4.00 - 4.50
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs., c.l., same basis as copal..lb. 1.20 - 1.25
Myrrh, USP, cs.....lb. .55 - .60
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opium (see O).
Rosin (see R).
Sandarac, cks., c.l., same basis as copal..lb. .40 - .45
Scammony, cs.....lb. 1.10 - 1.15
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs.15.00 -15.25
Tragacanth, Aleppo, 1, cs...lb. 3.50 - 3.75
2 cs.....lb. 3.35 - 3.60
3 cs.....lb. 2.90 - 3.10
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
bgs., c.l., f.o.b. New Brighton, N. Y., frt. equald..ton.27.65 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.45 - —
plaster of Paris, paper bgs., c..., f.o.b. Blue Rapids, Kans., frt equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
f.o.b. Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bags, c.l., f.o.b. Acme Tex.; Blue Rapids, Kans.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald.....ton. 8.60 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald.....ton.12.00 - —
import. bgs., ex dock.....ton.28.00 Nom.

H

Hawthorn berries, bgs.....lb. .26 - .28
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .55 - .60
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks, works.....lb. .02⅝- —
Hempseed, Manchur, bgs.....lb. .07 - .07½
Henbane leaves, bls.....lb. .82 - .85
Henna leaves, bls.....lb. .14 - .15
powd., bbls., bxs.....lb. .20 - .21
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., group 3.....gal. .17 - —
tanks, Group 3.....gal. .09½- —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N. Y. C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, 60-70°C., dms., c.l., Group 3..gal. .12½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Groups 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, bots., 25 ozs..oz.13.00 -13.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.25 - 2.40
Hops, N. F., bls.....lb. .20 - .21
Horehound, bls.....lb. .12 - .13
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 ozs..oz.20.00 - —
Sulphate, bots., 4 ozs.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. 100 vols., cbys., E. of Miss. River..lb. .03¾- .04
.20 - —
Hydroquinone, dealers, bbls., dms., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.50.00 -60.00
Hydrochloride, bots.....oz.50.00 -60.00
Hyoscyamine, 5 gr., bots.....bot. .60 - —
Hydrobromide, 5 gr., bots..bot. .60 - —
Sulphate, 5 gr., bots.....bot. .60 - —
Hypernic, ext, liquid, 50°, bbls., lb. .14 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 1.63 - 1.67
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.25 - —
jars, 50 lbs.....lb. 2.15 - —
tincture, USP, bbls., 47 gals.gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
extra, bots.....lb. 3.75 - 3.80
beta, bots.....lb. 3.10 - 3.15
beta, bots.....lb. 3.90 - 3.95
Ipecac root, bgs.....lb. 1.35 - 1.40
powd., bxs.....lb. 1.45 - 1.50
Irish moss, ordnary, bls.....lb. .15 - .16
powd., 80-90 mesh, bbls..lb. .30 - .32
prime, bleached, bls.....lb. .30 - .32
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd.....lb. .03 - —
l.c.l., dlvd.....lyb. .04 - —
Chloride (ferric), tech., anhydr., 390-lbs. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .08
liquor, cbys., works, frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut., cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
USP VIII, pearls.....lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, djns.....lb. .39 - —
bots.....lb. .53 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
Phosphate, ferric, pearls, cns., 50 lbs...lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-ammonia oxalate, bxs....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .48 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 55-gal. dms., works..lb. .069 - —
tanks, works.....lb. .059 - —
propionate, dms., works.....lb. .09 - —
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .50 - —
Isophorone, dms., works.....lb. .25 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .10½- —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07 - —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .07½- —
tanks, E. of Rockies, frt. alld..lb. .06 - —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gal., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gal., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .30 - .35
powd., bbls., bxs.....lb. .32 - .37
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, ordinary, bgs., lb. .26 - .28
hand picked, bgs.....lb. .32 - .34

K

Kamala, tins.....lb. .33 - .35
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0490- —
Gulf ports, p.w., bulk.....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03¾- .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03¾- .03⅞
42-44 w.w., tanks.....gal. .03⅞- .04
Pennsylvania, 45 w.w., tanks, gal. .04¾- .04⅞
46 w.w., tanks.....gal. .04⅞- .05
47 w.w., tanks.....gal. .05 - .05⅛
Kerosene distillate (see Oil, furnace).
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .12 - .13

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 5.25 - 5.30
Middlewestern, trcs....100 lbs. 5.30 - 5.40
Neutral, trcs.....100 lbs. 6.50 - 6.75
Western, choice, trcs..100 lbs. 5.40 - 5.50
Compound, trcs.....100 lbs. 8.50 - 8.75
Larkspur seed, bgs.....lb. 1.80 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .09 Nom.
Turkish, bls.....lb. .08½- .09
Lavender flowers, ordinary, bls.lb. .45 - .50
medium, bls.....lb. .55 - .60
select, bls.....lb. .65 - .70
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .08½- —
l.c.l., bgs.....lb. .09 - —
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07 - —
Lead, carbonate (see Lead, white.
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.60 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms.lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0765- —
other points.....lb. .0740- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.....lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¼- —
other points.....lb. .07¾- —
smaller lots, Ala., etc.lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0790- —
other points.....lb. .0765- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
smaller lots, dlvd., Ala., etc..lb. .083⅛- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08½- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0815- —
other points.....lb. .0790- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
l.c.l., smaller lots, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
in oil, 95% min., 100-lb. kgs., lb. .12¼- —
Resinate, fused 15%, bbls....lb. .09¼- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bbls., c.l., (20 tons), works, frt. alld..lb. .10 - —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse...lb. .10¼- —
smaller lots, E. frt. allds., lb. .10⅝- —
Pac. Cst., ex whse...lb. .10½- —
White, dry, basic carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¼- —
other points.....lb. .07 - —
l.c.l., dlvd., Ariz., etc.lb. .07½- —
other points.....lb. .07¼- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06¼- —
other points.....lb. .06¾- —
l.c.l., dlvd. Ariz., etc...lb. .06¾- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers.....lb. .10¾- —
painters.....lb. .11¾- —
Consumers' price and painters' price are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N.Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same l.c.l., same basis.....lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis...lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms., prices are 1c. per lb. less.

Gum, Euphorbia—Lith.-Iod.

Lemon peel, bls.....lb. .13 - .15
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .09 - .10
powd., bbls., bxs.....lb. .11 - .12
select, bdls., cs.....lb. .30 - .33
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 6.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich.....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, In.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa..ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich.....ton. 9.00 - —
Rapid City, S. D.....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bags, f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio.....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07¼- .08⅝
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08⅝
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09⅝
dms., same basis.....lb. .12 - —
Solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks. gal. .06½- —
30-50 dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd. gal. .07½- —
30-50 dms.....gal. .10½- .14⅝
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal..gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. River. Zone 2: New England States, Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minn., Mo., and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.
Linalool, cns.....lb. 2.10 - 2.30
Linalyl acetate, cns.....lb. 1.75 - 2.00
Linden flowers, with leaves, bls.lb. .45 - .55
Linden flowers, with leaves, bls.lb. .42 - .45
Linseed cake, bgs, export....ton.21.00 -22.00
meal, 34%, bgs.....ton.25.00 -25.50
Litharge, com'l, powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0665- —
Other points.....lb. .0640- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .07 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., and Wash....lb. .07½- —
Colo., Mont., N. Mex., Wyo..lb. .07¼- —
Other points.....lb. .063⅝- —
smaller lots, dlvd., Ala..lb. .07½- —
Ariz., etc.....lb. .08 - —
Colo. etc.....lb. .07¾- —
Other points.....lb. .07¼- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.35 - —
25-lb. jars.....lb. 4.70 - —

Lithopone—Octanol

Lithopone, titanated (high-strength), bgs., c.l., (20 tons)..lb. .05 - —
smaller lots.....lb. .05¼- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05½- —
ordinary, bgs., c.l. (20 tons)..lb. .0360- —
smaller lots.....lb. .0385- —
bbls., c.l. (20 tons).....lb. .04¼- —
smaller lots.....lb. .04¼- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort leaves, bls.....lb. .55 - .60
Lobelia, herb, bls.....lb. .12 - .13
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10¼- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.75 - 5.00

M

Mace, Banda, cs.....lb. .55½- .56
Batavia, cs.....lb. .30½- .31
Siauw, cs.....lb. .37½- .40
West Indian, cs.....lb. .34 - .41
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., U.S.P., bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08½- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09½- —
U.S.P., Zone 1, c.l., bgs...lb. .08 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls. .....lb. .09½- —
kgs. .....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .08¾- —
bbls. .....lb. .09¼- —
kgs. .....lb. .10¼- —

Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l., shipments, full fr't alld, up to, but not exceeding, 25c. per 100 lbs., actually paid by customers. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U. S.; prices f.o.b. Plymouth Meeting Ambler, Phillipsburg, Valley Forge, and New York.

Chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.82.00 - —
l.c.l., bbls., wks.....ton.89.00 -42.00
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., ctns., c.l.....lb. .23 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .50 - —
smaller lots, dms.....lb. .55 - —
Magnesite, cal., dom., bgs...ton.60.00 -65.00
Imports, bgs., duty paid...ton.70.00 Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.25.00 - —
Magnesium hydroxide, medicinal, bbls., 200 lbs..lb. .25 - —
dms., 25 lb.....lb. .30 - —
kgs., 100 lbs.....lb. .26 - —
Trisilicate, cs., 500-lb. lots..lb. .53 - —
100-lb. lots.....lb. .55 - —
5-lb. cns.....lb. .73 - —
Malva flowers, black, bls.....lb. .70 - .95
blue, bls.....lb. .70 - .95
Leaves, bls.....lb. .27 - .40
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12¼
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .08½ Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.69.00 - —
5-15 tons, works.....ton.72.00 - —
½ 4 tons, works....ton.77.00 - —
Caucasian, 85-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works....ton.69.50 - —
smaller lots, works...ton.74.50 - —
burlap bgs. .c.l., works.ton.64.25 - —
l.c.l., 5 tons, works..ton.67.25 - —
smaller lots, works..ton.72.25 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works..ton.65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots.....lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19¼
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports, duty paid..unit-ton. .71 - .73
Resinate, fused, 3½%, bbls..lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd.....ton lots, lots, works..lb. .09 - .09½
single bbls., works.....lb. .09¼- .09¾
fertilizer, 65%, $MnSo_4$, bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.36.00 - —
Manna flake, large, cs.....lb. .95 - 1.55
small, cs.....lb. .80 - 1.25
Mannitol, com'l grade, bbls., ton lots, works..lb. .38 - —
smaller lots, works.....lb. .45 - —
reagent grade, 50 lb. cs., or multiples, works..lb. .90 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .34 - .35
Tunisan, bls.....lb. .26 Nom.
Chilean .....lb. .17½- .18
Matico leaves, bls.....lb. .22 - .25
Menthol, USP, natural, cs.....lb. 3.40 - 3.50
synthetic, tech., cs.....lb. 2.50 - —
USP, cs.....lb. 3.25 - —
liquid, dms., 50 lbs.....lb. 1.50 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.40 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 lbs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd. .....lb. 4.05 - 4.10
Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.96 - —
USP, fib. dms., 50 lbs. or more..lb. 3.84 - —
Mercury and chalk, 5-lb. ctns...lb. 1.98 - —
25-lb. fib. dms.....lb. 1.80 - —
Mesityl oxide, cns., works.....lb. .20½- —
dms., c.l., dlvd.....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
tanks, dlvd.....lb. .15 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
composition, 5½x5½ in..pkg. 1.70 - 1.80
gold, XX deep, 23K, 3⅜x3⅜ in., pkg.15.25 -15.75
3⅜x3⅜ in.....pkg.16.15 -17.50
4x4 in.....pkg.19.50 -20.00
3⅜x5⅛ in.....pkg.22.50 -23.00
3⅜x5⅛ in.....pkg.24.50 -25.00
silver, 3⅜x3⅜ in.....pkg. 2.75 - 2.85
Metanitroparatoluidin, bbls.....lb. 1.05 - 1.10
Metaphenylenediamine, kgs.....lb. .63 - —
Metatoluylenediamine, kgs.....lb. .65 - —
Methanol, natural, producer group A, denat., grade, tanks..gal. .40 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

natural, producer group B, pure, tanks, frt. alld. Zone 1, gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1.....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
l.c.l., Zone 1.....gal. .38 - —
Zone 2.....gal. .45 - —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —
95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss. Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld...gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd., E. of Miss. R., lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd., E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd., E. of Miss. R., lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .32 - —
dms., c.l., same basis, gal. .37½- —
l.c.l., same basis...gal. .40½- —

Methyl acetone prices on Pacific Coast are 8c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Acetone, natural, group B producers, tanks, Zone 1..gal. .32 - —
Zone 2.....gal. .34 - —
Zone 3.....gal. .36 - —
Zone 4.....gal. .36½- —
dms., c.l., Zone 1.....gal. .37½- —
Zone 2.....gal. .39½- —
Zone 3.....gal. .41½- —
Zone 4.....gal. .43½- —
l.c.l., Zone 1.....gal. .40 - —
Zone 2.....gal. .47½- —
Zone 3.....gal. .44 - —
Zone 4.....gal. .55½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wisc. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl, acetone, synthetic, tanks, zone 1..gal. .34 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .45½- —
dms., c.l., zone 1.....gal. .36 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .48 - —
l.c.l., zone 1.....gal. .37 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .48½- —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.20 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bls.....lb. 4.25 - 5.00
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., dlvd....lb. .80 - —
Iodide, bots.....lb. 3.68 - 3.82
Salicylate, dms.....lb. .35 - .37
cns. .....lb. .37 - .40
Violet toner, bbls.....lb. .88 - —
permanent, bbls.....lb. .80 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 100 lbs. or more, frt. alld..lb. .70 - —
less than 100 lbs., works..lb. .75 - —
Methylcyclohexane, 98-100%, dms., works, frt. alld., E. of Rockies..lb. .25 - —
Methylcyclohexanol, 98-100%, dms., works, frt. alld. E. of Rockies..lb. .30 - —
Methylcyclohexanone, 98 - 100%, dms., works, frt. alld., E. of Rockies..lb. .58 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same term.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Methylheptenone, bots.....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb. 28.00 -44.00
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.30
imp., bots.....lb. 3.10 - —
Methylpropyl ketone, dms., c.l.lb. .20½- —
l.c.l. .....lb. .21 - —
tanks .....lb. .19½- —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh., containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
Mica, dry grd., amber, No. 1 quality, bgs. extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works.ton.40.00 - —
1,000 lbs., works....lb. .02 - —
500 lbs., works....lb. .02½- —
100 lbs., works....lb. .03 - —
refined, bgs., extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs. extra and returnable, c.l., works, ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works..lb. .02½- —
500 lbs., works..lb. .03 - —
roofing, bgs. extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.60.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
rubber, bgs., c.l., frt. alld. E, lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E..lb. .04¼- —
l.c.l., ex whse., or frt. alld. E..lb. .04¾- —

wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk powder, skimmed, roller, bbls., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l., lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
Millet seed, yellow, bgs.....lb. .0250- .0280
early fortune, bgs.....lb. .02½- .06
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinners and V M & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06½- —
Molybdate orange (see Orange, molybdate).
Molydenum metal, kgs., 99% powd..lb. 2.60 - 3.00
Molybdenum, trioxide, pure, kgs., basis Me. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., c.l., wks., lb. .52 - —
l.c.l., works.....lb. .53 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks., lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l., lb. .06 - .08
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .65 - —
l.c.l., dlvd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c.l., works..lb. .75 - —
smaller containers, works....lb. 1.00 - —
Mullein leaves, cns.....lb. .12 - .14
flowers, cns.....lb. 1.30 - 1.35
Musk, nat., Tonquin, grained, bots..oz.19.00 -20.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .17 - .17½
yellow .....lb. No stocks
Chinese yellow, bgs.....lb. .08½- .09
Danish, yellow.....lb. .26 - .28
Dutch, yellow.....lb. None.
English, yellow, bgs.....lb. No stocks
Roumanian, yellow.....lb. .13 - .13½
Myrobalans, J1, bgs., f.a.s...ton.40.00 - —
J2, bgs., f.a.s.....ton.34.00 - —
Extract, liquid, 25%, bbls...lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., bgs., c.l., works..100 lbs. 2.25 Nom.
bbls., c.l., works...100 lbs. 2.50 Nom.
78 deg., bgs., c.l., works, 100 lbs. 2.50 Nom.
l.c.l., works.....100 lbs. 2.75 Nom.
import, bgs., c.i.f.....100 lbs. No price
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis, lb. .07¾- —
(12 oz.), same basis..pkg. .06¼- —
chipped, crushed, bbls., same basis..lb. .06¼- —
rice, cryst., powd., bbls., same basis..lb. .07 - —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lb. dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works,frt. alld..lb. .70 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works, lb. .38 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .39 - —
ester soluble, 30-35 cps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.75 - —
f.o.b. Chemical, Ill., unit-ton. 1.75 - —
East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Alleppo, bgs., cs....lb. .26 - .29
Chinese .....lb. .23 - —
Extract (see Gall extract).
Nutmegs, 80s, bgs., cs.....lb. .18 - .19
110s, bgs., cs.....lb. .16 - .16½
West Indian, bgs.....lb. .08¼- .08¾
Nux vomica, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .06¼- —
l.c.l., bbls., works.....lb. .06¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3 .....gal. .10½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .35 - —

Octyl acetate, dms., c.l. works	lb.	.16	- —
l.c.l., works	lb.	.17	- —
tanks, works	lb.	.15	- —
Oil, almond, bitter, artif. (see Benzaldehyde)			
natural, bots	lb.	2.75	- 3.00
s.p.a., bots	lb.	3.00	- 3.25
sweet, true, exp., cns	lb.	.70	- .75
Amber, crude, cns	lb.	.22	- .23
ref'd, cns	lb.	.75	- .80
Amyris, cns	lb.	3.00	- 3.25
Angelica root, bots	lb.	80.00	-85.00
seed, bots	lb.	48.00	-53.00
Aniiin (see A).			
Anise, USP, ons., dms	lb.	.72	- .75
Apricot, kernels, cns	lb.	.38	- .39
Babassu, tanks	lb.	.05¾ Nom.	
Bay, W. I., 50-55% phenols, cns.	lb.	1.10	- 1.15
55-60% phenols, cns	lb.	1.20	- 1.26
Bergamot, artif., cns	lb.	2.50	- 3.50
natural, coppers	lb.	8.50	Nom.
Birch (see Oil, sweet birch).			
Birchtar, crude, dms	lb.	.25	- .26
rectified, cns	lb.	.75	- .80
Bois de rose, Brazil, cns	lb.	1.60	- 1.65
Cade, USP IX (see Oil, juniper tar).			
Cajeput, tech., dms	lb.	.60	- .67
USP. IX, cns	lb.	.62	- .72
Calamus, cns	lb.	8.25	- 8.50
Camphor, sassafrassy, cns	lb.	.31	- .32
dms.	lb.	.28	- .29
white, cns	lb.	.35	- .37
dms.	lb.	.32	- .33
Cananga, native, cns	lb.	1.60	- 1.65
rectified, cns	lb.	2.00	- 2.35
Capsicum (oleoresin) N. F. VI, cns.	lb.	2.50	- 2.75
Caraway, USP, cns	lb.	5.00	- 5.25
Cardamon, bots	lb.	15.00	-16.00
Cassia, USP, cs., dms	lb.	1.35	- 1.40
Castor, blown, one-way dms., c.l.	lb.	.12¾-	—
l.c.l.	lb.	.13½-	—
cold pressed, USP, bbls., c.l., lb.		.11¾-	—
l.c.l.	lb.	.12	- —
cns. (1-gal), l.c.l.	lb.	.15	- —
dms. (returnable), c.l.	lb.	.11	- —
l.c.l.	lb.	.11¾-	—
(5-gal.), l.c.l.	lb.	.13	- —
tanks	lb.	.10¼-	—
dehydrated, dms., c.l.	lb.	.1360-	—
l.c.l.	lb.	.14	- —
tanks	lb.	.13	- —
extracted No. 3, tech., bbls., c.l.	lb.	.10¾-	—
l.c.l.	lb.	.11½-	—
dms. (returnable), c.l.	lb.	.10½-	—
l.c.l.	lb.	.11¼-	—
tanks	lb.	.10	- —
sulphonated, 50% (43% fat), dms., c.l.	lb.	.08	- —
l.c.l.	lb.	.09	- —
75% (63% fat) dms., c.l.	lb.	.10½-	—
l.c.l.	lb.	.11½-	—
80% (68% fat), dms., c.l.	lb.	.10¾-	—
l.c.l.	lb.	.11¾-	—
Castor oil, USP, and No. 3, prices are divd. all points between N.Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.			
Cedarleaf, cs	lb.	.80	- .85
dms.	lb.	.75	- .80
Cedarwood, Oregon, cns., dms.	lb.	.28	- .36
Southern, cns., dms	lb.	.19	- .22
Celery, bots	lb.	9.50	-10.00
Chaulmoogra. USP, cns	lb	.72½-	—
Chinawood, dms	lb.	.26	- —
tanks	lb.	.25	- —
Cinnamon, Ceylon, bots	lb.	9.25	-27.00
Seychelle, bots	lb.	7.25	- 8.00
Citronella, Ceylon, cns	lb.	.32	- .33
dms.	lb.	.30	- .31
Java, cns., dms	lb.	.29	- .30
Clove, makers, USP, cns	lb.	1.20	- 1.25
dms.	lb.	1.15	- 1.20
Coconut, Manila, crude, tanks, lb.		.02¾-	—
edible, 76°, dms. (returnable), c.l.	lb.	.07½-	—
l.c.l.	lb.	.08	- —
tanks	lb.	.06¾-	—
Cod, Norwegian, shipt., bbls., gal.		No prices	
Codliver, med., USP, bbls.	bbl.	65.00	-70.00
Coriander, bots	lb.	13.00	-15.00
Corn, crude, tanks, wks	lb.	.05¼-	—
refd., bbls	lb.	.07¾-	.08
Cottonseed, cooking, bbls	lb.	.07¾-	—
salad, bbls	lb.	.08	- —
Creosote (see C).			
Croton, N.F., cns	lb.	2.50	- 2.75
Cubeb, USP, cns	lb.	3.25	- 3.50
Crude (see Petroleum, crude).			
Cumin, bots	lb.	6.50	- 7.00
Cypress, dom., bots	lb.	5.25	- 5.50
import, cns	lb.	12.00	-13.25
Degras (see D).			
Diesel, Bayonne, bulk	bbl.	1.70	- 1.75
California, 24 plus, bulk	bbl.	1.55	- —
Dill seed, bots	lb.	4.50	- 5.00
weed, bots	lb.	4.25	- 4.50
Dip (see L).			
Erigeron. cns	lb.	2.25	- 2.30
Eucalyptus, cns	lb.	.70	- .72
dms.	lb.	.68	- .70
Fennel, sweet, cns	lb.	3.00	- 3.25
Fuel, bunker, California, tide-water	bbl.	.75	- .90
Gulf Coast, at terminal	bbl.	.80	- —
Louisiana, Arkansas, 10-14, bbl.		.70	- —
N.Y. and N.J. terminals	bbl.	1.25	- —
North Texas, 18-22	bbl.	.72½-	.77½
24-28, zero cold test	bbl.	1.00	- —
Oklahoma, 18-22	bbl.	.72½-	.77½
24-28, zero cold test	bbl.	1.00	- —
24-28, 15 and above	bbl.	.80	- —
Pennsylvania, 36-40	gal.	.04	- —
Furnace, Bayonne, 1, bulk, refinery	gal.	.0510-	—
2, bulk, same basis	gal.	.0410-	—
4, bulk, same basis	gal.	.0440-	—
Louisiana - Arkansas, 23 - 36, light straw	gal.	.03½-	.03¾
Oklahoma, 28-30	gal.	.03	- —
32-36	gal.	.03¼-	.03½
36-38	gal.	.03⅝-	.03⅞
38-40 zero, 60 c.p.	gal.	.03⅜-	—
Fusel (see F).			
Gas, 27 plus, Bayonne, bulk	gal.	.0440-	—
Gulf Coast, bulk	gal.	.03½-	—
North Texas, bulk	gal.	.02⅝-	.02¾
Oklahoma, bulk	gal.	.02⅝-	.02¾
Gaultheria (see Oil, wintergreen leaf).			
Geranium, Algerian, rose, cns., lb.		3.75	- 4.00
Bourbon, cns	lb.	3.50	- 3.75
Turkish (see Palmarosa).			
Grapefruit, cns	lb.	1.55	- 1.60
Grapeseed, dms	lb.	.40	- .45
Ginger, dist., bots	lb.	4.10	- 4.25
Guaiac wood, concrete, bots	lb.	2.80	- 2.86
Haarlem, imported, bots..gross.		No prices	
Hemlock, cns	lb.	.65	- .70
Oil, juniper berry, USP, cns	lb.	4.00	- 4.50
wood, tech., cns	lb.	.50	- —
Juniper tar, USP XI, cns	lb.	.40	- .45
Lard, common, 1, bbls	lb.	.06⅞-	—
2, bbls	lb.	.06⅝-	—
extra, bbls	lb.	.07⅛-	—
1, bbls	lb.	.07⅛-	—
winter, strained, bbls	lb.	.07½-	—
prime, burning, bbls	lb.	.08¼-	—
prime, ined., bbls	lb.	.07¾-	—
Laurel, bots	lb.	4.50	4.60
Lavandin, cns., 25 lbs	lb.	2.25	- 2.50
Lavender flower, French, 50% ester, cns	lb.	6.00	- 6.25
38-42% ester, cns	lb.	4.25	- 4.50
35-38% ester, cns	lb.	3.75	- 4.00
30-32% ester, cns	lb.	3.50	- 3.75
garden, cns	lb.	.42	- .45
spike, Spanish, tech., cns	lb.	1.20	- 1.85
dms.	lb.	1.15	- 1.70
Lemon, Calif., cns	lb.	3.25	- —
Messina, coppers, cns	lb.	4.75	Nom.
Terpeneless, Type 1	lb.	10.50	-16.50
Type 2	lb.	8.35	-14.50
Lemongrass, native, cns., dms., lb.		.65	- .70
Lime, dist., cns	lb.	5.00	- 5.50
expressed, cns	lb.	7.50	- 7.75
Terpeneless, Type 1	lb.	70.00	-78.00
Type 2.	lb.	42.00	-46.50
Linaloe wood, cns	lb.	1.30	- 1.35
Linseed, raw, dms., c.l.	lb.	.0850-	.0870
l.c.l., 10 to 69	lb.	.0890-	.0910
5 to 9	lb.	.0910-	.0930
less than 5	lb.	.0930-	.0950
tanks	lb.	.0790-	.0810
Boiled linseed oil .004 cents over raw.			
Lovage, bots	lb.	41.25	-60.00
Lubricating, at refinery (including U.S. tax 4c. per gal):—California, green, 70, 80, 100, vis., dms	gal.	.15	- —
140 vis., dms	gal.	.16	- —
green, pale, 750, 900 vis., dms	gal.	.17	- —
200, 300, 350, 400, 450, 500, 600, 700 vis., dms	gal.	.17	- —
Oklahoma, bright stocks, 100-110 D, color 4.0-10 pour, tanks	gal.	.15½-	—
15-25 pour, tanks	gal.	.16	- —
150-160 D, color, 4½, 0-10 pour, tanks	gal.	.16	- —
15-25 pour, tanks	gal.	.14	- —
150-160 E, color 5½, 15-25 pour, tanks	gal.	.14	- —
190-200 D, color 4¼, 15-25 pour, tanks	gal.	.13	- —
neutrals, 0-10 pour, 150 vis., 3 colors, tanks	gal.	.08	- —
180 vis., 5 color, tanks,	gal.	.10	- —
4 color, tanks	gal.	.10	- —
200 vis., 3 color, tanks,	gal.	.09½-	—
4 color, tanks	gal.	.09	- —
250 vis., 3 color, tanks,	gal.	.10½-	—
4 color, tanks	gal.	.10½-	—
280 vis., 3 color, tanks,	gal	.11	- —
4 color, tanks	gal.	.10½-	—
10-25 pour prices are ½c. less than zero to 10° pour.		per gallon	
Pennsylvania, bright stocks, 8 color, 140-150 vis., 545-550 flash, 10 pour, tanks	gal.	.14½-	.15
15 pour, tanks	gal.	.13½-	.14
25 pour, tanks	gal.	.12	- .14
cylinder oil, 600 flash, tanks	gal.	.11	- .12
630 flash, tanks	gal.	.12	- .13
600 steam refined, tanks,	gal.	.08	- .09
650 steam refined, tanks,	gal.	.10	- .11
Neutrals, 150 vis., 70°F., 3 color, 400-405 flash, zero pour, tanks	gal.	.22½-	—
10 pour, tanks	gal.	.21½-	—
15 pour, tanks	gal.	.20½-	—
25 pour, tanks	gal.	.19	- .20
200 vis., 70°F., 3 color, 420-422 flash, zero pour, tanks	gal.	.24½-	—
10 pour, tanks	gal.	.23½-	—
15 pour, tanks	gal.	.22½-	—
25 pour, tanks	gal.	.21	- .22
Mace, dist., cns., dms	lb.	2.60	- 2.70
Mandarin, superior coppers	lb.	10.00	-11.00
Menhaden, crude, tanks, f.o.b. Balto.	gal.	—	Nom.
refd., alkali, dms	lb.	.0670-	—
tanks	lb.	.0610-	—
blown, dms	lb.	.0690-	—
kettle-bodied, dms	lb.	.0790-	—
light-pressed, dms	lb.	.0610-	—
tanks	lb.	.0550-	—
Mineral, white (see Oil, white mineral).			
Mustard, artif., USP, bots., cns.,	lb.	1.60	- 1.70
dist., natural, bots	lb.	8.50	- 9.00
Neatsfoot, 20° cold test, bbls.,	lb.	.16¼-	—
extra, bbls	lb.	.07⅜-	—
1, bbls	lb.	.07⅛-	—
prime, bbls	lb.	.07½-	—
pure, bbls	lb.	.10¾-	—
sulphonated, common, 25% moisture, dms	lb.	.10¼-	—
Neroli, bots	lb.	200.00	-325.00
Nutmeg, dist., cns., dms	lb.	2.60	- 2.70
Oleo, 1, bbls	lb.	.07⅜-	—
2, bbls	lb.	.07⅛-	—
Olticica, dms	lb.	.17½-	.18¼
Olibanum, bots	lb.	5.00	- 5.25
Olive, denat., dms	gal.	1.50	Nom.
edible, dms	gal.	2.40	Nom.
foots, dms	lb.	.08¾	Nom.
sulphonated, 50%, (42% fat), dms., c.l.	lb.	.09¼-	—
l.c.l.	lb.	.10¼-	—
75% (63% fat), dms., c.l.	lb.	.12¼-	—
l.c.l.	lb.	.13¼-	—
80% (68% fat), dms., c.l., lb.		.127-	—
l.c.l.	lb.	.137-	—
Orange, sweet, dist., cs	lb.	.90	- —
expressed, African, cns., dms., lb.		1.10	- 1.15
Calif., cns	lb.	2.00	- —
Florida, cns	lb.	1.25	- 1.30
Messina, USP, coppers	lb.	8.00	Nom.
West Indies, cns	lb.	2.00	- 2.10
terpeneless	lb.	42.00	-50.00
Origanum, cns	lb.	1.80	- —
Orris, Florentine, concrete, extra strong, bots	oz.	5.50	- 6.00
Palm, Niger, dms	lb.	.03¾	Nom.
shipment	lb.	.03	Nom.
softs, 12½%, bulk, shipt	lb.	.02¾	Nom.
Sumatra, shipt., bulk	lb.	.02¼	Nom.
Palmarosa, cns	lb.	2.25	- 2.50
Paraffin, 320° flash, 60-70 vis., tanks, G. 3.	gal.	.05¼-	—
350° flash, 70-80 vis., tanks, G. 3.	gal.	.05½-	—
80-85 vis., bbls., extra, Ind. refy.	gal.	.12	- —
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14	- —
300° flash, 100-110 vis., tanks, G. 3.	gal	.05¾-	—
Patchouli, bots., cns	lb.	6.50	- 6.75
Oil, peanut, crude, dom., tanks,	lb.	.05¼	Nom.
refd., edible, bbls	lb.	.08½	Nom.
Pennyroyal, dom., cns	lb.	3.00	Nom.
Import, cns	lb.	2.50	- 2.75
Peppermint, natural, cns., dms.,	lb.	2.35	- 2.60
redist., USP, cns., dms	lb.	2.60	- 2.85
Perilla, dms	lb.	.17½-	.18
tanks	lb.	.16¾-	.17
Petitgrain, Paraguay, cns	lb.	1.50	- 1.55
Pimento berry, cns	lb.	4.35	- 7.25
leaf, cns	lb.	2.40	- 2.50
Pine, dest.-dist., straw-color, dms., divd., E. ports	gal.	.50	- .55
steam-dist., dms	gal.	.59	- —
tanks	gal.	.54	- —
Pineneedle, Siberian, cns	lb.	1.35	- 1.40
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.23½-	—
contracts	gal.	.19½-	—
Whiting, Ind.	gal.	.28	- —
dms., c.l., Bost., Provid.	gal.	.26	- —
l.c.l., same basis	gal.	.27	- —
tanks, same basis	gal.	.18	- —
Martinez, Cal.	gal.	.28	- —
Rapeseed, blown, bbls	lb.	.17½	Nom.
denat., bbls	gal.	1.10	- 1.15
Red, dist. or saponif., dms., divd.	lb.	.06¼-	.07¼
tanks, divd	lb.	.05¾-	—
Rose, artif., bots	oz.	1.35	- 2.25
natural, coppers	oz.	5.75	-22.50
Rosemary, Spanish, cns	lb.	.64	- .66
dms.	lb.	.59	- .61
Rosin, 1st rectfd., dms	gal.	.42	- —
2d rectfd., dms	gal.	.44	- —
3d rectfd., dms	gal.	.48	- —
Rue, bots	lb.	2.00	- 3.25
Sage, cns	lb.	2.00	- 3.00
Sandalwood, E. I., USP, cns	lb.	5.25	- 5.50
Mysore, cns., car lots	lb.	5.50	- 5.75
Sardine, crude, tanks, Pac. Cst.,	gal.	Nom.	
refd., alkali, dms	lb.	.0670-	—
tanks	lb.	.0610-	—
kettle-bodied, dms	lb.	.0790-	—
light-pressed, dms	lb.	.0610-	—
tanks	lb.	.0550-	—
Sassafras, artif., cns	lb.	.83	- .84
dms.	lb.	.80	- .81
natural, cns., dms	lb.	1.15	- 1.20
Savin, cns	lb.	2.20	- 2.26
Savory, cns	lb.	3.50	- 3.75
Sesame, refd., dom., dms	lb.	.16	Nom.
Shingle stain, bbls., c.l., works, gal.		.19	- —
l.c.l., works	gal.	.20	- —
tanks, works	gal.	.14	- —
Snakeroot, Canada cns	lb.	9.50	-10.00
Soybean, dom., crude, dms	lb.	.05	- .05¾
tanks	lb.	.04¼	Nom.
refd., dms	lb.	.06¼-	.07
tanks	lb.	.05½-	.06
Spearmint, dms	lb.	2.10	- 2.15
Sperm, bleach, 38°, dms	lb.	.1100-	—
45° dms	lb.	.1030-	—
natural, dms	lb.	.0980-	—
Spruce, cns., dms	lb.	.65	- .70
Sweet, birch, North, cns	lb.	2.25	- 2.65
South, cns	lb.	1.55	- 1.70
Tall, crude, dms., c.l., works, ton.		40.00	-
l.c.l., works	ton.	45.00	-50.00
tanks, works	ton.	30.00	-
distilled, dms., c.l., divd	lb.	.05½-	.07
l.c.l., divd	lb.	.06½-	.08¼
tanks, divd	lb.	.05	- .06¾
refined, dms., c.l., works	lb.	.04	- —
l.c.l., works	lb.	.04¼-	—
tanks, works	lb.	.03½-	—
Tallow, acidless, bbls	lb.	.06¾-	—
tanks	lb.	.06⅜-	—
Tansy, cns	lb.	4.75	- 5.00
Tar, pine, com'l. dmc., c.l., divd. E. cities	gal.	.26	- —
E. ports, c.l.	gal.	.25	- —
l.c.l.	gal.	.27	- —
tanks, divd. E. cities	gal.	.20	- —
rectfd., USP, bbls., l.c.l., divd.. E. ports	gal.	.55	- —
Tar acid (see T).			
Teaseed, crude, dms	lb.	.12½	Nom.
Tea Tree (see Oil, Ti tree).			
Thyme, NF, red, dms	lb.	.80	- 1.75
white, dms	lb.	.95	- 1.95
Tung (see Oil, chinawood).			
Ti tree, cns	lb.	2.30	- 2.80
Turkey red (see castor, sulphonated).			
Turpentine (see T).			
Turtle, cns	gal.	6.00	- —
Valerian, bots	lb.	8.00	- 9.00
Vetiver, bots	lb.	13.75	-15.00
Whale, ref., natural, dms	lb.	.0910-	—
winter, bleach, dms	lb.	.0950-	—
Wheat germ, cns., dms	gal.	17.50	-25.00
White, mineral, dom., dms., tech., 50-60 vis., dms	gal.	.33	- .34
65-75 vis., dms	gal.	.37	- .43
80-90 vis., dms	gal.	.38	- .44
USP, 89-90 vis., dms	gal.	.41½-	.47
95-105 vis., dms	gal.	.50	- .51
125-135 vis., dms	gal.	.56	- .57
140-150 vis., dms	gal.	.57½-	.59½
175-185 vis., dms	gal.	.63½-	.64½
200-210 vis., dms	gal.	.66½-	.67½
320-330 vis., dms	gal.	.73½-	.76½
335-345 vis., dms	gal.	.76	- .77
Russian, 80-90 vis., dms	gal.	No prices	
145-155 vis., dms	gal.	No prices	
175-185 vis., dms	gal.	No prices	
335-345 vis., dms	gal.	No prices	
Wintergreen, natural, North. cns.	lb.	4.35	- 5.00
South, cns	lb.	3.05	- 3.75
synth (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns	lb.	4.15	- 4.25
Wormwood, cns	lb.	5.25	- 5.50
Ylang-ylang, Bourb., bots., cns.	lb.	3.00	- 8.00
Manila, bots	lb.	18.00	-22.00
Olivine, aggregate, c.l., mines,	ton.	7.00	-11.00
Lumps, same basis	ton.	7.00	- —
3balls, same basis	ton.	5.00	- —
ground, 325 mesh c.l., mines,	ton.	20.00	- —
200 mesh, c.l., mines	ton.	17.00	- —
100 mesh, c.l., mines	ton.	15.00	- —
20 mesh to dust	ton.	12.00	- —
Opium USP, cns	lb.	11.50	-12.50
gran., cns	lb.	12.50	-13.50
powd., cns	lb.	12.50	-13.50
Orange Lake, Persian, bbls	lb.	.30	- .45
Mineral, Amer., bbls., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.10½-	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11	- —
Colo., Mont., N. M., Wyo.	lb.	.10¾-	—
Other points	lb.	.10¼-	—
smaller lots, divd., Ala., etc.	lb.	.11	- —
Ariz., etc	lb.	.11½-	—
Colo., Mont., N. M., Wyo.	lb.	.11¼-	—
Other points	lb.	.10¾-	—
French, Tours, casks, ex dock	lb.	.13½-	—
kgs., ex dock	lb.	.14½-	—
Molybdate, bbls	lb.	.31	- —
Toner, bbls	lb.	.80	- —

Octyl Acetate—Perchloreth.

Orangeflower petals, cs	lb.	.45	- .50
Orange peel, bitter, bls	lb.	.09	- .10
sweet, bls	lb.	.11	- .12¼
Orris root, Florentine, bgs	lb.	.45	- .50
fingers, cs	lb.	1.35	- 1.70
powd., bbls., bxs	lb.	.49	- .53
Verona, bls	lb.	.34	- .35
powd., bxs., cs	lb.	.37	- .38
Orthoanisidin, bbls	lb.	.70	- —
Orthochloroaniiin, dms	lb.	.60	- .75
Orthochlorophenol, dms	lb.	.82	- —
Orthocresol, dms., c.l., works	lb.	.16	- —
l.c.l., same basis	lb.	.16½	—
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.06	- —
l.c.l., same basis	lb.	.07	- —
100-lb. tins, same basis	lb.	.08	- —
50-lb. tins, same basis	lb.	.09	- —
tanks, same basis	lb.	.05¼-	—
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.			
Orthonitroaniiin, dms	lb.	.55	- —
Orthonitrochlorobenzene, dms	lb.	.15	- .18
Orthonitroparachlorophenol, cns	lb.	.75	- —
Orthonitrotoluene, dms	lb.	.09	- —
Orthophenetidin, dms	lb.	.80	- —
Ortholuidin, dms	lb.	.19	- —
Osage orange extract, cryst., bbls., lb.		.21	- —
liquid, 42°, bbls	lb.	.09	- —
51°, bbls	lb.	.10	- —
Oxyquinolin sulphate, cns., 100-lbs., works	lb.	3.50	- —
bots., cns., 1-50 lbs	lb.	3.65	- 4.00
Orthotolnene hydrochloride, dms	lb.	.22	- —
Sulphonate, kgs	lb.	2.00	- 2.05

P

Papain, powd., cs	lb.	1.45	- 1.50
Paprika, Algerian, bgs	lb.	.31	- .32
Bulgarian, bgs	lb.	.29½-	.31
Hungarian, extra fancy, bgs	lb.	.40	- .41
medium, bgs	lb.	.35½-	.36
Portuguese, extra fancy, bgs	lb.	.33	- .34
fancy, bgs	lb.	.32	- .33
Spanish, fancy, cs	lb.	.38	- .39
Parachlorophenol, dms	lb.	.82	- —
Paracymene, refd., dms	gal.	.75	- 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11	- .12
l.c.l.	lb.	.12½-	.13¼
Paraffin, crude, scale, white 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.02¼-	.02½
bbls., c.l., N.Y.	lb.	.02	- —
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.02½-	.02¾
bbls., c.l., N.Y.	lb.	.02	- .02¼
yellow, 124-126 A.m.p., bbls., c.l., N.Y.		.02½-	—
fully refd., bgs., 123-125 A.m.p., bgs., c.l.	lb.	.0570-	—
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0570-	—
131-133 A.m.p., bgs., or loose, c.l.	lb.	.0595-	—
132-135 A.m.p., bgs., or loose, c.l.	lb.	.0625-	—
135-137 A.m.p., bgs., or loose, c.l.	lb.	.0650-	—
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0725-	—
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0820-	—
151-153 A.m.p., bgs. or loose, c.l.	lb.	.15	Nom.
Refined paraffin prices in cases are ½c. lb higher than bags price; solid in tankcars 1-5c. lower.			
match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.03½-	—
semirfd., solid, 122-124 A.m.p., bgs.	lb.	.03	- —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.34	- —
100 to 900 lbs. shipments, same basis	lb.	.35	- —
Paraldehyde, tech., 98%, 55 and 110 gal. dms., c.l., works	lb.	.10	- —
l.c.l., works	lb.	.11¼-	—
5 and 10-gal. dms., works	lb.	.15	- —
USP, cs., cbys	lb.	.37	- .45
Paranisidine, dms	lb.	.75	- —
Paranitroaniiin, kgs., works	lb.	.47	- —
Paranitrochlorobenzene, kgs	lb.	.15	- —
Paranitrophenol, kgs	lb.	.35	- —
Paranitrotoluene, kgs	lb.	.30	- —
Paraphenylenediamine, bbls	lb.	1.25	- 1.30
Paratoluenesulphonamide, bbls	lb.	.70	- —
Paratoluidin, bbls	lb.	.48	- —
Pareira brava root, bls	lb.	.20	- .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23	- .25
less car lot, same basis	lb.	.24	- .26
Passion flower, herb, bls	lb.	.08	- .09
Patchouli leaves, bls	lb.	.28	- .30
Pellitory root, bls	lb.	.30	- .32
Pennyroyal leaves, bls	lb.	.15	- .16
Pentane norm., 28-38°, dm., c.l., G.3.	gal.	.11½-	—
l.c.l., G.3.	gal.	.16	- —
tanks, G.3.	gal.	.08½-	—
laboratory grade, dms., c.l., G.3.	gal.	.14	- —
l.c.l., G.3.	gal.	.25	- —
Pepper, black, Alleppey, bags.	lb.	.07½-	.07¾
Lampong, bags	lb.	.03½-	.04
Tellicherry, bags	lb.	.07½-	.07¾
White, Java, Muntok, bgs	lb.	.07½-	.08
Singapore, Muntok	lb.	.07¼-	.07¾
Red, chillies, Japan, Hontaka	lb.	.18	- .18½
Mombassa, bgs	lb.	.28	- .28½
Peppermint leaves, dom., bls	lb.	.45	- .50
imports, bls	lb.	.75	- .80
Perchlorethylene, dms., c.l., works, frt. alld., zone 1	lb.	.08	- —
l.c.l., same basis	lb.	.08½-	—
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½-	—
l.c.l., same basis	lb.	.09	- —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09	- —
l.c.l., same basis	lb.	.09½-	—
Zone 4, dms., c.l., f.o.b. stock points	lb.	.09	- —
	lb.	.09	- —
l.c.l., same basis	lb.	.09½-	—

All prices on perchlorethylene are frt. alld. with the exception of zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

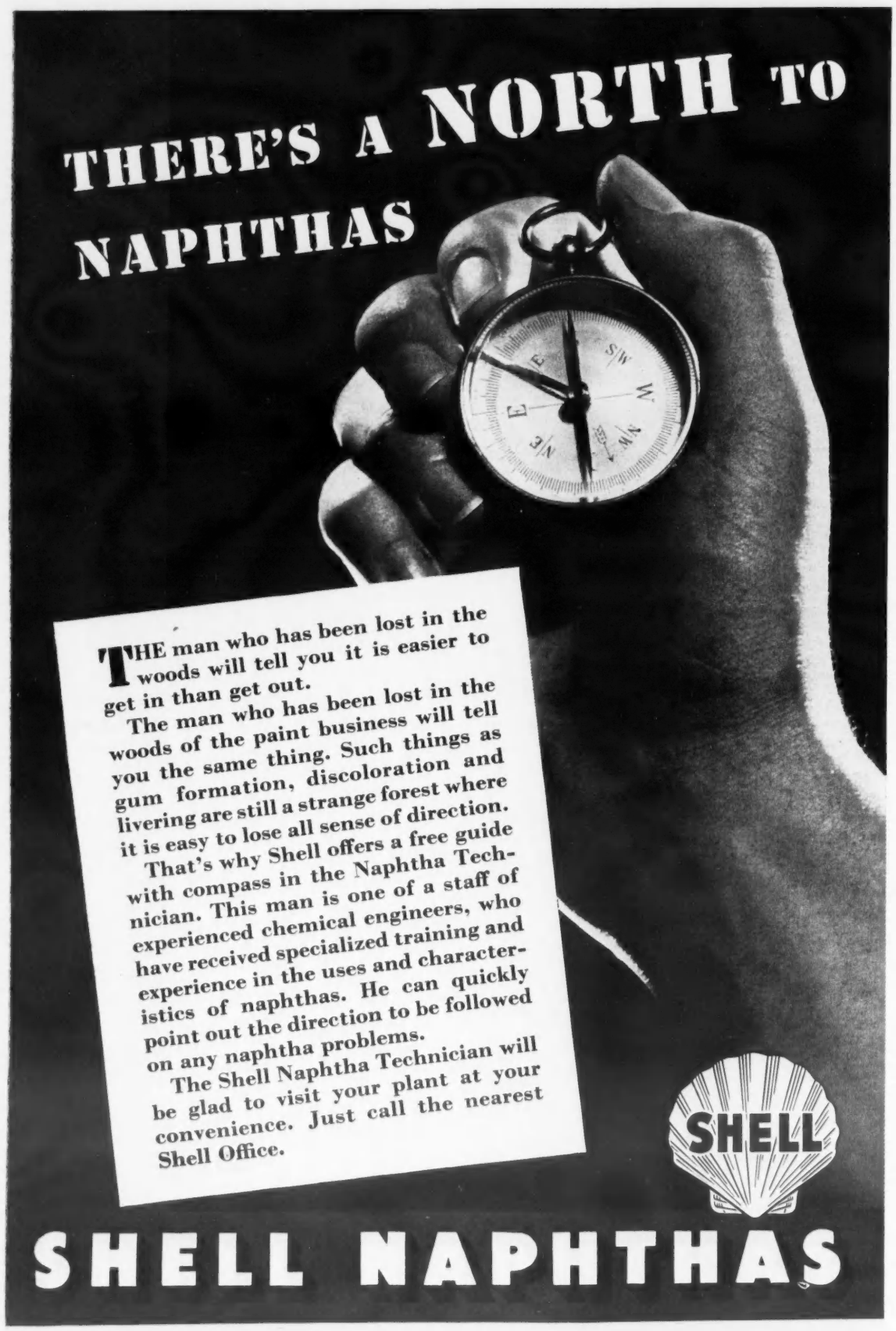
Peru Balsam—Phosphate Rock

Peru, balsam, dms.	lb.	.85	- .90
Petrolatum, amber, dms., c.l.	lb.	.02¾	- —
l.c.l.	lb.	.03¾	- —
amber, extra, dms.	lb.	.03	- —
l.c.l.	lb.	.04	- —
white, cream, dms., c.l.	lb.	.04	- —
l.c.l.	lb.	.05½	- —
Ely, dms., c.l.	lb.	.04¾	- —
l.c.l.	lb.	.06¼	- —
snow, dms., c.l.	lb.	.05½	- —
l.c.l.	lb.	.07½	- —
Petroleum, crude, bulk, at wells:—			
California	bbl.	.42	- 1.75
Canada	bbl.	2.10	- 2.17
Central West:—			
Illinois	bbl.	.53	- 1.15
Lima	bbl.	.90	- —
Michigan	bbl.	.82	- 1.06
Princeton	bbl.	1.05	- —
Central West, East Texas	bbl.	1.10	- —
Gulf Coast	bbl.	.74	- 1.41
Kentucky, Tennessee	bbl.	1.12	- 1.20
Louisiana, Arkansas	bbl.	.73	- 1.30
Mexico	bbl.	No prices	
Midcontinent:—			
North Texas	bbl.	.51	- 1.10
Oklahoma-Kansas	bbl.	.58	- 1.10

Petroleum, crude, bulk, at wells. Pennsylvania, Ohio, West Virginia:—			
Bradford, Allegany	bbl.	2.00	- —
Corning	bbl.	1.17	- —
Buckeye lines	bbl.	.93	- —
N. Y. Transit lines	bbl.	2.00	- —
Eureka lines	bbl.	1.59	- —
S. W. Penn lines	bbl.	1.65	- —
lower district in National Transit lines	bbl.	1.88	- 1.93
Rocky Mountains	bbl.	.51¼	- 1.30
South Central and Southwestern Texas	bbl.	.73	- 1.27
Texas Panhandle	bbl.	.67	- .96
West Texas	bbl.	.53	- .95
Ether, 30-60°, dms., c.l., G.S.	gal.	.14½	- —
l.c.l., G.S.	gal.	.25½	- —
tanks, G.S.	gal.	.13½	- —
55-60°, dms., l.c.l., G.S.	gal.	.30½	- —
40-75°, dms., c.l., G.S.	gal.	.14½	- —
l.c.l., G.S.	gal.	.25½	- —
tanks, G.S.	gal.	.12½	- —
laboratory grade, dms., c.l., G.S.	gal.	.14½	- —
c.l., G.S.	gal.	.25½	- —
10-gal. lots, G.S.	gal.	.50½	- —
Lacquer, diluent, at refinery:— California, 100 i.b.p., 200 e.p., tanks, dlvd. Los Angeles	gal.	.11	- —
San Francisco	gal.	.11½	- —
f.o.b. Richmond	gal.	.11	- —
Willbridge, Ore., Fort Wells, Wash.	gal.	.12	- —
East Coast, tanks	gal.	.09½	- .10
Group 3, toluol type, tanks,	gal.	.07¾	- —
benzol type, tanks	gal.	.07¾	- —

Petroleum, naphtha, cleaners', at refinery:—			
East Coast, tanks	gal.	.09	- .10¼
Group 3, tanks	gal.	.06¾	- .07
tankwagon, Boston, ex tax.	gal.	.13½	- —
Bridgeport	gal.	.13½	- —
Chicago, inc. 4c. tax.	gal.	.18	- —
Decatur, inc. 4c. tax.	gal.	.1910	- —
tankwagon, Des Moines, inc. 4c. tax.	gal.	.1890	- —
Des Moines, inc. 4c. tax,	gal.	.1890	- —
Evansville, inc. ex tax.	gal.	.15	- .16
Milwaukee, inc. 5c. tax.	gal.	.2030	- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20½	- —
Newark, ex tax.	gal.	.10½	- —
New York, ex tax	gal.	.10½	- —
Omara, ex tax.	gal.	.1490	- .1590
Oklahoma City, ex tax.	gal.	.16½	- —
Philadelphia, ex tax.	gal.	.12	- —
St. Louis, inc. 1c. tax.	gal.	.15½	- —
Syracuse, 150 gals.	gal.	.14½	- —
smaller lots, galv. drums.	gal.	.10	- —
milk cans	gal.	.21	- —
High-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway	gal.	.20	- —
2, over 90% arom., same basis	gal.	.21	- —
3, same basis	gal.	.22	- —
No. 8, tanks, f.o.b. Paulsboro, N. J.	gal.	.16½	- —
30, same basis	gal.	.17½	- —
40, same basis	gal.	.17¾	- —

Petroleum, naphtha, v.m.&p., at refinery:—			
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo	gal.	.11	- —
Richmond	gal.	.11½	- —
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12	- —
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles,	gal.	.10	- —
San Francisco	gal.	.10½	- —
Portland, Seattle	gal.	.11	- —
East Coast, tanks	gal.	.09½	- —
Group 3, tanks	gal.	.06¾	- .07
tankwagon, Boston, ex tax.	gal.	.14½	- —
Chicago, inc. 4c. tax.	gal.	.17	- —
Des Moines, inc. 4c. tax.	gal.	.1890	- —
Decatur, inc. 4c. tax.	gal.	.1910	- —
Evansville, Ind., ex tax,	gal.	.1520	- .1620
Milwaukee, inc. 5c. tax.	gal.	.2030	- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20	- —
Newark, ex tax.	gal.	.11½	- —
New York, ex tax.	gal.	.10½	- —
Omaha, ex tax.	gal.	.1490	- .1590
Philadelphia, ex tax.	gal.	.13	- —
St. Louis, inc. 1c. tax.	gal.	.1570	- —
Solvent, rubber, at refinery, East Coast, tanks.	gal.	.09½	- —
Group 3, light, 120 i.b.p., 250 e.p., tanks.	gal.	.06¾	- .07
standard, 180 i.b.p., 288 e.p., tanks.	gal.	.06¾	- .07
Stoddard (CS 3-38), at refinery:—			
East Coast, tanks	gal.	.08¾	- .09¼
Group 3, tanks	gal.	.06¾	- .06¾
tankwagon, Boston, ex tax,	gal.	.14	- —
Chicago, inc. 4c. tax.	gal.	.1640	- —
Decatur, inc. 4c. tax.	gal.	.1860	- —
Des Moines, inc. 4c. tax.	gal.	.1840	- —
Evansville, Ind., ex tax.	gal.	.14	- .15
Milwaukee, nc. 5c. tax.	gal.	.1980	- —
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.1820	- —
Newark, ex tax.	gal.	.09½	- —
New Orleans, ex tax.	gal.	.11	- —
New York, ex tax.	gal.	.09½	- —
Omaha	gal.	.1360	- .14¼
Philadelphia, ex tax.	gal.	.13	- —
St. Louis, inc. 1c. tax.	gal.	.1340	- —
Tulsa, ex tax.	gal.	.10½	- .11¼
Thinners, tankwagon, tax included:—			
California, 166-252 b.r., 59.5 a.p.i., tanks, ex tax, Los Angeles	gal.	.10	- —
Portland	gal.	.11	- —
San Francisco	gal.	.10¼	- —
Seattle	gal.	.11	- —
198-290 b.r., 56.4 a.p.i., tanks, ex tax, Los Angeles	gal.	.10	- —
Portland	gal.	.11	- —
San Francisco	gal.	.10¼	- —
Seattle	gal.	.11	- —
246-397 b.r., 47.7 a.p.i., tanks, ex tax, Los Angeles	gal.	.10	- —
Portland	gal.	.11	- —
San Francisco	gal.	.10¼	- —
Seattle	gal.	.11	- —
312-408 b.r., 40.8 a.p.i., tanks, ex tax, Los Angeles	gal.	.08½	- —
Portland	gal.	.09½	- —
San Francisco	gal.	.09	- —
Seattle	gal.	.09½	- —
318-393 b.r., 35.2 a.p.i., tanks, ex tax, Los Angeles,	gal.	.13	- —
Portland	gal.	.14	- —
San Francisco	gal.	.13	- —
Seattle	gal.	.14½	- —
East Coast, 43-47, tanks	gal.	.08¾	- .09¼
47-49, tanks	gal.	.10½	- —
New Jersey, tanks	gal.	.09	- —
Group 3, tanks	gal.	.06¾	- —
Albany	gal.	.13½	- —
Baltimore (100 gals.)	gal.	.14	- —
25-99 gals.	gal.	.16	- —
Boston	gal.	.13½	- —
Bound Brook, North Amboy, N. J.	gal.	.13½	- —
Bridgeport, Conn.	gal.	.11½	- —
Buffalo	gal.	.15½	- —
Camden, N. J.	gal.	.10	- .11½
Chicago	gal.	.1670	- —
Decatur	gal.	.1810	- —
Des Moines	gal.	.1790	- —
Evansville, Ind.	gal.	.1420	- .1520
Milwaukee	gal.	.1930	- —
Minneapolis-St. Paul	gal.	.19½	- —
Newark	gal.	.09½	- —
New York (200 gals)	gal.	.09½	- —
Omaha	gal.	.12½	- —
Pittsburgh	gal.	.11½	- .13½
Providence	gal.	.12	- —
Rochester	gal.	.12½	- —
St. Louis	gal.	.1470	- —
Syracuse	gal.	.10½	- —
Trenton	gal.	.10½	- —
Wilmington, Del.	gal.	.12½	- —
Phenobarbital, 5-lb. bots.	lb.	3.95	- —
bots. or cns., 100 lbs., spot or contract	lb.	3.60	- —
25-lb. cns.	lb.	3.85	- —
Phenol, USP, dms., c.l., works, frt. equald	lb.	.13	- —
l.c.l., same basis	lb.	.13¾	- —
under 1,000 lbs.	lb.	.14¾	- —
tanks, works	lb.	.12	- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots	lb.	.85	- —
bbls., dms., kegs, 100-250 lbs.,	lb.	.87	- .89
yellow, fib. dms., 2,000-lb. lots,	lb.	.80	- —
100-lb. fib. dms.	lb.	.82	- —
25-lb. dms.	lb.	.87	- —
50-lb. kgs.	lb.	.84	- —
Phenyl chloride, dms.	lb.	.17	- —
Phenylacetaldehyde, bots.	lb.	2.10	- 2.50
Dimethylacetate, cns.	lb.	14.50	-15.00
Phenyl ethyl acetate, cns.	lb.	2.45	- 2.50
Phenylethylphenyl acetate, bots.,	lb.	7.90	-15.50
Phenylhydrazine, base, CP, bots,	lb.	4.00	- —
hydrochloride, CP, bots., works,	lb.	4.00	- —
commercial, kgs., works.	lb.	1.50	- —
pure, bbls., works	lb.	2.25	- —
Phloroglucinol, CP, tins, wks.	lb.	20.00	-22.00
tech., tins, works	lb.	15.00	-16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines	long ton.	4.35	- —
land pebble, 68% min., bulk, mines	long ton.	1.90	- —
70% min., bulk, mines	long ton.	2.15	- —
land pebble, 72% min., bulk, mines	long ton.	2.40	- —
75% basis, 74% min., bulk, mines	long ton.	2.90	- —
Tenn., 72% bulk, mines	long ton.	4.50	- —
75% bulk, mines	long ton.	5.50	- —


THERE'S A NORTH TO NAPHTHAS
THE man who has been lost in the woods will tell you it is easier to get in than get out.
The man who has been lost in the woods of the paint business will tell you the same thing. Such things as gum formation, discoloration and livering are still a strange forest where it is easy to lose all sense of direction.
That's why Shell offers a free guide with compass in the Naphtha Technician. This man is one of a staff of experienced chemical engineers, who have received specialized training and experience in the uses and characteristics of naphthas. He can quickly point out the direction to be followed on any naphtha problems.
The Shell Naphtha Technician will be glad to visit your plant at your convenience. Just call the nearest Shell Office.
SHELL
SHELL NAPHTHAS

Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases.....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons, lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .13 - .14
Pilocarpine hydrochloride, bots., vis..oz. 3.25 - 3.75
Nitrate, bots., vis.....oz. 3.15 - 3.65
Pimento, bags.....lb. .14¾- .15¼
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l.....ton.22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton.23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07½
Pomegranate bark, bgs.....lb. .52 - .53
Root bark, bgs.....lb. .47 - .48
Poppy flowers, red, bls.....lb. .75 - .80
Seed, Dutch, bgs.....lb. .20½- .21
Turkish, bgs.....lb. .16½- .17
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd...lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .32 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .18 Nom.
kgs., 100 lbs.....lb. .20 Nom.
gran., bbls., 250 lbs.....lb. .18 Nom.
kgs., 100 lbs.....lb. .20 Nom.
Bichromate, spot, c.l., works.lb. .08⅞- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fib. dms., 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03125- —
tanks, same basis.....lb. .0275- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
l.c.l.....lb. .07¼- .07½
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks.....lb. .03⅞- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l.....lb. .06½- .06⅝
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .10½- .17
powd., kgs.....lb. .10 - .17
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, cns., dms.....lb. No prices
Cyanide, gold, 11% gold, bots., works..oz.14.20 -14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb. 1.60 - 1.65
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.55 - —
cns., 25 lbs.....lb. 3.46 - —
Iodide, bbls., 250 lbs.....lb. 1.35 - —
bots. or cns.....lb. 1.54 - 1.80
dms.....lb. 1.45 - 1.48
Kainit, 20%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices
Manure salt, dom., min., 30%, K_2O, bulk, ex-vessels, ports, unit-ton. .60 - —
import, 30%, K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices

Domestic manure salt prices, basis f.o.b., Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices in bags are $2 per ton higher than bulk prices.

Metabisulphite, kgs.....lb. .15 Nom.
Muriate, dom., min., 50% or 62%, K_2O, bulk, ex-vessel, ports..unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port...unit-ton. No prices
Atlantic or Gulf ports.

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.

Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.l.f. ports, ton. No prices
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .45 Nom.
Yellow, bbls.....lb. .17 - .19
Recinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100-lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls....lb. .19 Nom.
100-lb. kgs.....lb. .21 - —
tech., dom., bgs., basis 90% K_2SO_4, ex-vessel, ports..ton. No prices
bulk, same basis.....ton. No prices
imp., min., 90%, bgs., ex-vessel, Atl. or Gulf ports, ton. No prices
Xanthate, dms., c.l.....lb. .13 - —
l.c.l.....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt., ton. No prices
Potash-soda ferricyanide, dms., works..lb. .36 - .39
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .28 - .30
Prince's pine herb, bls.....lb. .22 - .23
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .75 - .80
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
F and I, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
O, O-½, O-¾, and ⅞, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N.Y..ton. No prices
l.c.l., 5-29 tons, ex whse., ton. No prices
1,000-10,000 lbs., ex whse. ton. No prices
2 bgs. to 1,000 lbs., ex whse. ton. No prices
single bgs., ex whse..ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrin (Seil test) 55-gal. dms. (incl.) frt. alld., or dlvd., on 15 gls., or more, standard brand, odorless..gal. 4.95 - —
(30 to 1), 3.6% pyrethrin, 55-gal. dms. (incl.), frt. alld., or dlvd., on 15 gals. or more, standard brand, colorless..gal. 7.35 - —
Pyrethrum flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .23 - .24
fine powd, Japan, bbls., ton lots, frt., alld..lb. .25 - .26
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .51 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh ,same basis.....ton.12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis.....ton.12.00 - —
Pyroxylin scrap, amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04 - —
tanks, works.....lb. .03½- —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .04¾- —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 51°, bbls..lb. .08¼- .09¼
solid, dms.....lb. .11 - .16¼
Quicksilver, dom., flasks (76 lbs. net, dlvd., N.Y..flask.180.00 -182.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask.207.00 - —
ex store.....flask.209.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns.,oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —

Subject to surcharge of 7c. per oz.; see note under Quinine.

Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cns.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Citrate, cns.....oz. .78 - —
Dihydrobromide, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydrochlorosulphate, cns....oz. .81 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbonate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Tartrate, cns.....oz. 1.03 - —
Valerate, cns.....oz. .99 - —

Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Quinine-urea hydrochloride, cns.oz. .81 - —

Subject to surcharge of 4c. per oz.; see note under Quinine.

R

R, salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Belgian, bgs.....lb. .07½- .08
Dutch, black, bgs.....lb. .10 - .10½
red, bgs.....lb. .12 - .12½
Japanese, bags.....lb. .08½- .09
Raspberries, dried, bls.....lb. .60 - .65
Red, Alizarin lake, bbls., dlvd. N. of Tenn., and N. C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., E. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Red, cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .90 - —
smaller lots, same basis..lb. .95 - —
kgs., ton lots, same basis..lb. .95 - —
smaller lots, same basis..lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis..lb. .80 - —
light, shade, kgs., ton lots, same basis..lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis..lb. .85 - —
kgs., ton lots, same basis..lb. .85 - —
smaller lots, same basis..lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis..lb. 1.05 - —
kgs., ton lots, same basis, lb. 1.05 - —
smaller lots, same basis..lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis..lb. .90 - —
kgs., ton lots, same basis, lb. .90 - —
smaller lots, same basis..lb. .95 - —
Selenide, bbls., dark, works, lb. 2.70 - —
light, works.....lb. 2.40 - —
orange, bbls., 100-lb. lots, works..lb. 1.50 - —
Carmine, 40, dms., 100 lbs...lb. 4.50 - —
50 lbs.....lb. 4.60 - —
cns., 5 lbs.....lb. 4.75 - —
1 lb.....lb. 4.85 - —
Croceus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Indian, pure, bbls., f.o.b., Bethlehem, Easton, E. St. Louis, N. Y..lb. .05¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red oxide).
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Lithol toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake.....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom., bbls, lb. 3.11 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08¼- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kegs, same basis alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner)
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y. lb. .04½- —
Toluidine toner, kgs., same basis alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis..lb. .11 - .40
Venetian, bbls, works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
quicksilver, bbls., 5 tons..lb. No prices
smaller lots.....lb. 3.27 - 3.32
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib., dms., 50 lbs. or more..lb. 3.36 - —
Red saunders wood, ground, bbls, lb. .12 - .17
Resorcinol, tech., 200 lb. dms., frt., alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
U.S.P., cryst, 100 lb., dms., frt., alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .12 - .14
Rhodinol, bots.....lb. 5.50 -10.90
Rhubarb, bots.....lb. .53 - .55
powd., bbls., kgs.....lb. .55 - .60
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .25¾- —
smaller lots.....lb. .26¼- —
powd., bbls., 5,000 lbs., 1 ship't..lb. .24¾- —
smaller lots.....lb. .25¼- —
Rose flowers, pale, bls.....lb. .45 - .50
red, bls.....lb. 2.50 - 3.00
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .09 - .10
Rosin, gum, B, bbls, ex dock 100 lbs. 1.70 - —
D, bbls.....100 lbs. 1.88 - —
E, bbls.....100 lbs. 2.02 - —
F, bbls.....100 lbs. 2.27 - —
G, bbls.....100 lbs. 2.34 - —
H, bbls.....100 lbs. 2.34 - —
I, bbls.....100 lbs. 2.34 - —
K, bbls.....100 lbs. 2.34 - —
M, bbls.....100 lbs. 2.38 - —
N, bbls.....100 lbs. 2.53 - —
W. G., bbls.....100 lbs. 2.82 - —
W. W., bbls.....100 lbs. 2.98 - —
X, bbls.....100 lbs. 2.98 - —
Rosin, wood, bbls.....100 lbs. 1.90 Nom.

Phosphorus—Slate Flour

Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines....ton.37.50 - —
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.28.00 -29.00
Safrol, cns.....lb. 1.05 - 1.10
dms.....lb. 1.00 - 1.05
Sage, Dalmatian, stemless.....lb. No stocks
garden, bls.....lb. .40 - .42
Sago flour, bgs.....lb. .04 Nom.
Salicin, bots., 5 lbs.....lb. 7.04 - —
cns., 25 lbs.....lb. 7.00 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N.Y...ton.18.20 -18.38
l.c.l., bgs., dlvd., N.Y..ton.15.00 -15.60
vacuum, common, fine, bgs., c.l., dlvd., N.Y..ton.15.70 - —
l.c.l., dlvd., N.Y.....ton.16.60 -19.70
Saltcake, grd., dom., bbls., works, ton.24.00 Nom.
bulk, works.....ton.17.00 Nom.
import, bulk, c.i.f.....ton.20.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.10 - 9.10
1-9 tons.....100 lbs. 8.25 - 9.25
less than ton lots..100 lbs. 8.50 - 9.50
gran., bbls., 10-20 tons, 100 lbs. 7.10 - —
1-9 tons.....100 lbs. 7.25 - —
less than ton lots..100 lbs. 7.50 - —
powd., bbls., 10-20 tons.100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
Santonin, cryst., cns.....kilo.145.00 -150.00
Saponin, crude, cns.....lb. 2.25 - 2.50
purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls.lb. .80 - .81
Mexican, bls.....lb. .13 - .14
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bales.....lb. .40 - —
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .09
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipmt..lb. .20¼- —
smaller lots.....lb. .20½- —
kegs, 5,000 lbs., 1 shipm't..lb. .20⅝- —
smaller lots.....lb. .21¼- —
Selenium, pwd., A, 10-lb. tins..lb. 2.00 - —
100-lbs. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .65 - .70
Senna leaves, Alexandria, half leaf, bls..lb. .16 - .17
siftings, bgs.....lb. .16 - .17
Tinnevelly, No. 1, bls.....lb. .12 - .13
2 bls.....lb. .10 - .11
3 bls.....lb. .08½- .09
powd., bbls., bxs.....lb. .12 - .13
Pods, bls.....lb. .09 - .10
Serpentaria root, bls.....lb. .65 - .70
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .25 - .26
dlvd., Boston.....lb. .25½- .26½
Chicago.....lb. .25¾- .26¾
Pacific Coast.....lb. .28 - .29
rfd., bbls., f.o.b. N.Y....lb. .31 - .32
dlvd., Boston.....lb. .31½- .32½
Chicago.....lb. .31¾- .32¾
Pacific Coast.....lb. .34 - .35
Garnet, bgs.....lb. .19½- —
Orange, D.C., VSO., Diamond I, cases..lb. .25½- .26
Superfine, bgs., f.o.b. Bost., N. Y..lb. .14½- —
dlvd., Chicago.....lb. .15 - .15½
Pacific Coast.....lb. .17½- .18
T.N., bgs., f.o.b. Bost., N.Y.lb. .14 - .14½
dlvd., Chicago.....lb. .14½- .15
Pacific Coast.....lb. .17 - .17½
Varnish, Metro. area, orange, 5-lb. cut, bbls..gal. 1.05 - 1.10
4½-lb. cut, bbls.....gal. 1.00 - 1.05
4-lb. cut, bbls.....gal. .95 - 1.00
white, 5-lb. cut, bbls.....gal. 1.15 - 1.20
4½-lb. cut, bbls.....gal. 1.10 - 1.15
4-lb. cut, bbls.....gal. 1.05 - 1.10
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works, ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works.ton.25.00 - —
wet-grd., 95-97%, 400 mesh, bgs., c.l., works..ton.30.00 - —
l.c.l., 2½ tons, works, ton.35.00 - —
smaller lots, works..ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works, ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs....oz. No prices
1,000 ozs.....oz. No prices
500 ozs.....oz. No prices
80 to 100 ozs.....oz. No prices
Nitrate, vis.....oz. .26⅞- —
Nucleinate, bots., cns., 480-oz. lots..oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots..oz. .29 - .30
Simarubra barks, bls.....lb. .30 - .35
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00

Sloe Berries—Tapioca

Sloe berries, bgs.....lb. .20 - .22
Smalt, black, extra velvet, cnts., lb. .05 - .08
Blue, cnts.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .25
Soapbark, bls.....lb. .13 - .14
crushed, bls., bbls.....lb. .17 - .18
cut, German, bls., bbls.....lb. no stocks
dom., bbls.....lb. .22 - .23
powd., bbls.....lb. .20 - .21
Soda, acetate, anhyd., dms., dlvd. lb. .08½- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - —
l.c.l., dlvd..lb. .04½- .05
powd., 90%, dms., c.l., dlvd., lb. .06 - —
l.c.l., dlvd.....lb. .06¾- —
Alginate, dms., bbls., works..lb. .71 - .96
Antimoniate, bbls., dlvd.....lb. .14½- .15
Arsenate, dms., dealers, c.l., works..lb. .07 - .08
l.c.l., dms., works.....lb. .07¾- .08¾
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06½- .07½
l.c.l., dms., works.....lb. .07¼- .09¼
white, dms., c.l., dealers, works..lb. .08 - .09
l.c.l., dms., works.....lb. .08¾- .10¾

Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.

Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U. S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Mo., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works, 100 lbs. 1.85 - —
l.c.l., dlvd., N. Y.100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd., N.Y...100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11¾- .13
Bisulphite, powd., bbls., c.l., bbls., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber dms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. 6.00 - —
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —

l.c.l., same zone prices as ammonia process.

liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works, 100 lbs. 1.95 - —
70%, buyers, tanks, works.. 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
Soda, caustic, solid, 76% ammon., process, dms., c.l., works, 100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —

l.c.l., same zone prices as ammon. process.

Caustic soda l.c.l. prices are on the same basis as those for soda ash. The sales zones are also the same.

Chlorate, dom., cryst., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l. works.....lb. .07 - .08¼
Chromate, spot, c.l., works...lb. .08¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .08¾- —
smaller quantities.....lb. .08¾- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., 50-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .30
kgs., 100-lb. lots.....lb. .25 - —
USP XI, powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms..lb. .14 - .15
import, 90%, cs.....lb. No price
Diacetate, 33-35% acidity, bbls., dlvd..lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis..lb. .07½- —
1-9, same basis.....lb. .08 - —
95%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —

Soda fluoride prices at Los Angeles are f.a.s. works.

Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots, lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .16 - .17
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .20 - .22
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., c.l., wks., frt. equal'd., 100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.80 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.59
Mandelate, dms., 100-lb. dms.lb. 3.25 - —
Metaniiate, kgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis.. 100 lbs. 5.05 - —
gran., bbls., c.l., works....lb. 2.35 - —
10 bbls. and over, dlvd., N.Y...lb. 3.10 - —
1-9 bbls., dlvd. N. Y....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing point or ports, August, rail or boat shipment.....ton.29.00 - —
200 lb. bgs., same basis.ton.28.30 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11¼

Soda nitrite l.c.l. price range represents delivery at various points.

Orthosilicate, flake, dms., c.l., works..100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.10 - —
bbls., c.l., works...100 lbs. 5.35 - —
l.c.l., works.....100 lbs. 6.30 - —
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works.....100 lbs. 2.50 - —
bbls., c.l., works...100 lbs. 2.30 - —
l.c.l., works.....100 lbs. 2.70 - —
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works.....100 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
Soda, phosphate, tribasic, bgs., c.l., works..lb. 2.25 - —
l.c.l., works.....100 lbs. 2.65 - —
bbls., c.l., works...100 lbs. 2.45 - —
l.c.l., works.....100 lbs. 2.85 - —
kgs., c.l., works.....100 lbs. 2.95 - —
l.c.l., works.....100 lbs. 3.55 - —
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt. equal'd.100 lbs. 5.10 - —
l.c.l., same basis...100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y...100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1...100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N. Y. C..lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works.....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works.....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. No prices
import, bbls.....lb. .08½ Nom.
Stannate, dms.....lb. No price
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over., dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
cryst., bgs., 100 lbs., works, lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
Sulphite, powd., bbls.....lb.
Sulphocarbolate, cs.....lb. .27 - .28
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works..lb. .08 - —
tanks, works.....lb. .04½- —
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
High-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .28 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15¼- —
smaller lots, works.....lb. .15¾- —
Soybean protein, bgs., c.l., works, lb. .12 - —
l.c.l., works.....lb. .12½- .15
Sparteine sulpnate, cns.....oz. 1.50 - 1.60
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .18 - .20
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01½- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks works.....lb. .01½- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, white, bls.....lb. .30 - .35
powd., bbls., bxs.....lb. .35 - .40
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bgs., lb. .12 - .13
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.90 - —
dlvd., N. Y.....100 lbs. 3.25 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.00 - —
dlvd., N. Y.....100 lbs. 3.35 - —
Potato, dom., bgs.....lb. .06½- .07½
import, bgs.....lb. No price
Rice, bbls.....lb. .07½- .08½
Sweetpotato, bgs.....lb. .06¾- —
bbls. .....lb. .07 - —
Wheat, thick, boil, bgs.....lb. .05¼- —
Starch, iodide, bots.....lb. 1.87 - —
Staveacre, seed, bgs.....lb. .32 - .33
Stearin, oleo, bbls.....lb. .05½ Nom.
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .60 - .65
Stramonium leaves, bls.....lb. .25 - .30
Seeds, bgs.....lb. .30 - .35
Strontium bromide, fib. dms...lb. .54 - .55
kgs., 150 lbs.....lb. .52 - —
Carbonate, N.F., IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbl., lb. No prices
Chloride, tech., bbls.....lb. .20 - —
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Styalyl acetate, bots.....lb. 6.75 - 7.00
Strychnine, cryst., cns., 100-oz. lots..oz .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Strychnine, hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulpnate, cryst., cns., 100 oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose octa-acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.35 - —
l.c.l., bgs., works....100 lbs. 3.35 - 3.75
bbls., works.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works, 100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works....100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, comm'l, bgs., c.l., wks., 100 lbs. 1.60 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 1.98
bbls., works.....100 lbs. 2.30 - 2.70
extra fine, bgs., c.l., works, 100 lbs. 2.35 - —
bbls., works.....100 lbs. 3.20 - —
l.c.l., bgs., works....100 lbs. 3.20 - 3.60
bbls., works.....100 lbs. 3.55 - 3.95
heavy, bgs., c.l., works.100 lbs. 2.55 - —
bbls., works.....100 lbs. 2.90 - —
l.c.l., bgs., works....100 lbs. 2.90 - 3.30
bbls., works.....100 lbs. 3.25 - 3.65
light, bgs., c.l., works.100 lbs. 2.65 - —
bbls., works.....100 lbs. 3.00 - —
l.c.l., bgs., works....100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., bbls., works..100 lbs. 2.50 - 2.90
roll, bgs., c.l.....100 lbs. 2.35 - —
bbls., works.....100 lbs. 2.50 - —
l.c.l., bgs., works..100 lbs. 2.75 - 3.10
bbls., works.....100 lbs. 2.85 - 3.25
rubber maker's, com'l, 99%, c.l., frt. alld..100 lbs. 2.00 - —
bbls., same basis, c.l., 100 lbs. 2.35 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.35 - —
bbls., same basis.100 lbs. 2.70 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07½- 10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No price
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .14 - .15
Sunflower seed, Calif., large, bgs., lb. .07 - .07½
medium, bgs.....lb. .06 - .06½
poultry, bgs.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 40-48%, a.p.a. bulk, f.o.b. Balto..unit-ton. .68 - —

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Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 98-94%, 325 mesh, bgs., c.l., mills, ton.14.00 -16.00
l.c.l., mills.....ton.16.00 -1800
96-98%, 325 mesh, c.l., mills..ton.15.00 -17.00
l.c.l. mills.....ton.17.00 -19.00
98-99½%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.l., mills...ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l. ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival, ton. No prices
ex whse.....ton. No prices
2, bgs., ex dock, arrival.ton. No prices
Tallow, animal, edible.....lb. .04¾ Nom.
extra, loose.....lb. .03¾- —
special, loose.....lb. .03¼- —
sulphonated, 35% (24% fat), dms., c.l..lb. .03¾- —
l.c.l. .....lb. .04¼- —
50% (43% fat), dms., c.l., lb. .05¼- —
l.c.l. .....lb. .06¼- —
50% (48% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
Kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 6% ammon., 10% b.p.l., bulk, basis N.Y. unit-ton. 2.25 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.25 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 2.25 & .10
high-grade, bulk, Chicago, unit-ton. 2.75 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.l.f., ports, Aug. shipt. 2.40 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .03 - .05

Tar acid oil, 15%, dms., c.l., works..gal. .22 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd, E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. .65 - .70
Tartar emetic, tech., fine gran., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
powd., bbls., 5 or more..lb. .34¾ Nom.
less than 5.....lb. .35 Nom.
USP, powd., bbls.....lb. .40 Nom.
Terebene, cans.....lb. .75 - .85
Terpinyl acetate, cns.....lb. .82 - .85
Terpin hydrate, bgs..... ....lb. .60 - .65
Terpineol, CP, cns.....lb. .28 - —
dms .....lb. .25 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. tech. (see Perchloroethylene). .21½- —
Tetralin, dms.....lb. .18 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.90 - 3.00
Sodiosalicylate, cns.....lb. 2.15 Nom.
dms. .....lb. 1.95 Nom.
5-lb. bots.....lb. 2.31 - 2.36
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works..lb. 2.00 - —
Thyme, French, bls.....lb. .31 - .31½
Thymol, dms., 100 lbs.....lb. 1.50 - —
cns. 25 lbs.....lb. 1.55 - 1.60
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo, root, powd., 4% rotenone, bbls..lb. .18 - .24
5% rotenone, bbls.....lb. .22 - .30
Thiamine hydrochloride, cns..... gram. 1.40 - 1.55
Tin chloride (ous), anhyd.....lb. .47½- .48
Crystals, bbls., kgs.....lb. .38½- .39
Metal, Straits.....lb. .50⅝- —
Oxide, bbls.....lb. .55 - —
Tetrachloride, anhyd., bbls...lb. .21¾- —
Titanium, dioxide, bgs., c.l., (20 tons), frt. pd..lb. .13 - —
l.c.l., 5 tons, E. frt. pd..lb. .13¼- —
Pac. Cst., ex whse....lb. .13¼- —
1,000-9,999 lbs., E. frt. pd. lb. .13¼- —
Pac. Cst., ex whse....lb. .13¼- —
50-999 lbs., E. frt. pd...lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
under 50 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse....lb. .16 - —
bbls., c.l. (20 tons), frt. pd.lb. .13¼- —
l.c.l., 5 tons, E. frt. pd...lb. .13½- —
Pac. Cst., ex whse....lb. .13½- —
1,000-9,999 lbs., E. frt. pd., lb. .13¾- —
Pac. Cst., ex whse....lb. .13¾- —
50-999 lbs., E. frt. pd....lb. .14 - —
Pac. Cst., ex whse....lb. .14 - —
chalk resistant, bgs., c.l., (20 tons), frt. pd..lb. .15 - —
l.c.l., 5 tons, frt. pd....lb. .15¼- —
1,000-9,999 lbs., frt. pd.lb. .15¼- —
50-999 lbs., frt. pd....lb. .15¾- —
Under 50 lbs., frt. pd..lb. .18 - —
bbls., c.l., (20 tons), frt. pd. lb. .15¼- —
l.c.l., 5 tons, E. frt. pd.lb. .15½- —
Pac. Cst., ex whse..lb. .15½- —
1,000-9,999 lbs., E. frt. pd. lb. .15¾- —
Pac. Cst., ex whse..lb. .15¾- —
50-999 lbs., E. frt. pd.lb. .16 - —
Pac. Cst., ex whse..lb. .16 - —
high-hiding, bgs., c.l. (20 tons), frt. pd..lb. .14 - —
l.c.l., 5 tons, frt. pd....lb. .14¼- —
1,000-9,999 lbs., frt. pd. lb. .14¼- —
50-999 lb., frt. pd.....lb. .14¾- —
bbls., c.l. (20 tons), frt. pd..lb. .14¼- —
l.c.l., 5 tons, E., frt. pd. lb. .14½- —
Pac. Cst., ex whse. lb. .14½- —
1,000-9,999 lbs., E. frt. pd..lb. .14¾- —
Pac. Cst., ex whse. lb. .14¾- —
50-999 lbs., E. frt. pd. lb. .15 - —
Pac. Cst., ex whse. lb. .15 - —
barium or magnesium base, bgs., c.l., D. frt. alld..lb. .05¼- —
l.c.l., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
bbls., c.l., D., frt. alld..lb. .05½- —
l.c.l., E., dlvd.....lb. .05¾- —
Pac. Cst., ex whse...lb. .05¾- —
under 50 lbs., E. dlvd.lb. .06½- —
calcium base, bgs., c.l., D. frt. alld..lb. .05 - —
l.c.l., dlvd.....lb. .05¼- —
Pac. Cst., ex whse....lb. .05¼- —
under 50 lbs., E. dlvd.lb. .06 - —
bbls., c.l., D., frt. alld..lb. .05¼- —
l.c.l., E., dlvd.....lb. .05½- —
Pac. Cst., ex whse....lb. .05½- —
under 50 lbs., E. dlvd.lb. .06¼- —
Tolidin base, distilled, kgs....lb. .96 - —
Tolu, balsam, cns.....lb. 1.60 - 1.70
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld., gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls.....lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .80 - .90
Triacetin, dms.....lb. .26 - —
Triamyl borate, dms., l.c.l., works, lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l., works.....lb. .78 - .80
tanks .....lb. .75 - —
Tributylamine, dms., c.l., works, lb. .67 - —
l.c.l. .....lb. .68 - .70
tanks .....lb. .65 - —
Tributyl citrate, ton lots, 475 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Phosphate, dms., l.c.l., dlvd., lb. .42 - —
cns., works.....lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld..lb. .07 - —
l.c.l., same basis.....lb. .07¼- —
tanks .....lb. .06½- —

Trichlorethylene, dms., c.l., works, frt. alld., Zone 1..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
Zone 2, dms., c.l., works, frt. alld..lb. .08¼- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09½- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd..lb. .40½- .51½
dms., c.l., dlvd.....lb. .34½- —
tech., dms., c.l.....lb. .22 - —
500 lbs., dms.....lb. .22½- —
less than 500 lbs.....lb. .25½- .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500 lb. dms..lb. .24 - —
smaller lots.....lb. .26 - —
Triethyl phosphate, dms., dlvd., alld..lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., dlvd.....lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Triphenyl phosphate, dms.....lb. .38 - —
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double grd., bgs., c.l., works ton.16.00 - —
once-grd., bgs., c.l., works.ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem., grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs...lb. .07½- .08
Madras, bgs.....lb. .07¾- .08¼
Turpentine, spirits, gum, bbls., c.l. ex dock..gal. .33½- —
l.c.l., 10 ex dock.....gal. .37½- —
5 ex dock.....gal. .39½- —
wood dest., dist., dms., c.l., dlvd. E. ports..gal. .26 - —
l.c.l. .....gal. .28 - —
tanks, dlvd. E. cities..gal. .21 - —
steam-dist., dms., c.l., dlvd.gal. .28 - —
l.c.l., dlvd.....gal. .31 - —
tanks, dlvd.....gal. .23 - —

Tar Acid Oil—Urea-Ammo.

U

Unicorn root, false (see Helonias root). True (see Aletris root).
Uranium oxide, black, kgs....lb. 2.65 - 3.05
yellow, kgs.....lb. 1.75 - 2.00
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N.C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans..ton.35.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del..ton.35.00 - —
less than 5 tons, f.o.b. Newark, New York, Philadelphia..ton.91.00 - —
any quantity, f.o.b. Belle, W. Va..ton.35.00 - —
Import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt..ton. No price
46% N., bgs., smaller lots, f.o.b. N. Y. from whse. ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports ton.57.40 - —
bags, same basis.....ton.59.40 - —

STAUFFER
CHEMICALS
SULPHUR
Stauffer majors in the production of Sulphur and is recognized as the oldest and largest refiner of Sulphur in the world. The following Stauffer Sulphurs are available in convenient packages for immediate delivery: Rubber Compounding—Agriculture—Oil Refining — Sublimed Velvet Flowers — Light and Heavy Refined Flour — Refined Roll (stick) — Commercial Flour — Special Refined Salt Block—Refined Lump.
OTHER STAUFFER PRODUCTS
BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE : SULPHUR CHLORIDE : SILICON TETRACHLORIDE : CREAM OF TARTAR : SULPHURIC ACID : CAUSTIC SODA : TARTARIC ACID WHITING : LIQUID CHLORINE : CARBON BISULPHIDE : TEXTILE STRIPPER
Stauffer
Stauffer Chemical Co.
420 LEXINGTON AVE., NEW YORK, N. Y.
230 NO. MICH. AVE., CHICAGO, ILL.
624 CALIFORNIA ST., SAN FRANCISCO, CAL.
555 SO. FLOWER ST., LOS ANGELES, CAL.
424 OHIO BUILDING, AKRON, OHIO
FREEPORT, TEXAS APOPKA, FLORIDA

SANTOLITE MS

SPECIFICATIONS

Color: Pale Yellow.
Solution in benzene (1:5)*:* Clear, very slight turbidity, maximum.
Solution in benzene (4:6)*:* No crystalline deposit in 24 hours.
Refractive Index at 50°C: 1.5690 - 1.5720

Santolite MS is a condensation of formaldehyde with aromatic sulfonamides. It is an excellent material for water white lacquers, its high gloss and lack of color being unusual.

SANTOLITE MHP

SPECIFICATIONS

Color and Appearance: Clear, hard, nearly colorless, resinous lumps.
Refractive Index in solution — 25 parts MHP to 75 parts toluene at 30°C: 1.5080 - 1.5110.
Solubility in benzene (1:5)*:* Complete.
Solubility in benzene (4:6)*:* No crystalline precipitate in 24 hours.
Softening Point: Approximately 62°C.

Santolite MHP is a condensation of formaldehyde with aromatic sulfonamides. It is well adapted to specialty lacquers, and fabric coatings.

SANTOLITE K

SPECIFICATIONS

Appearance: Soft sticky resin.
Color: Not more than No. 5 by Monsanto Santolite K standard (comparable in depth of color but not in shade to No. 5 of the Gardner 1933 standard).
Acid Number: 10 maximum.
Refractive Index at 50°C: 1.5380 - 1.5420.

Santolite K is a formaldehyde-sulfonamide condensation combined with alkyd resin, and is compatible with cellulose nitrate and cellulose acetate. Santolite K has a special value for increasing resistance to moisture penetration of cellulose ester compositions.

SANTOLITE RESINS

Outstanding in the specialty coating field is the Santolite group of resins manufactured by Monsanto. Among the features of these materials which make them worthy of consideration by manufacturers are their compatibility with cellulose acetate and cellulose nitrate, their extremely low viscosity in solution, and their ability to increase moisture resistance of cellulose nitrate film. Important properties of the Santolite resins are shown on this page. For additional information write for the Monsanto booklet "Plasticizers and Resins."

MONSANTO CHEMICAL COMPANY, St. Louis, U. S. A. District Offices: New York, Chicago, Boston, Detroit, Charlotte, Birmingham, Los Angeles, San Francisco, Montreal, London.

MONSANTO CHEMICALS

SERVING INDUSTRY . . . WHICH SERVES MANKIND

Urea-ammonia, basis 45% N., tanks, f.o.b. Belle, W. Va., or Atl. Gulf ports..ton.121.58 - —
basis 37% N (insoluble), f.o.b. Belle, W. Va., or Atl. Gulf ports.....ton.127.00 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .80 - .85
Valonia, beards, bgs., f.a.s...ton.56.00 - —
cups, bgs., f.a.s.....ton.42.00 -44.00
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb. 7.00 - 7.50
Mexican, tins.....lb. 7.25 - 7.50
cuts, tins.....lb. 7.00 - 7.25
South American, tins.....lb. 7.00 - 7.25
oleoresin, bots.....lb.18.00 -19.00
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. .75 - .80
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .45 - .46
tree.....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.37.50 -39.50
Extract, solid, bgs.....lb. .03¾- —
Wax, bayberry, import, bgs...lb. .22 - .23
Bees, white, bleach, slabs, cs., 1 to 5 case lots..lb. .35 - —
cakes, 1 to 5 cs. lots...lb. .36 - —
discs, 1 to 5 cs. lots...lb. .37 - —
yellow, crude, Africa, 10-bg. lots..lb. .23 - .23½
1 bg.....lb. .23½- .24
Brazil, bgs, 5-ton lots..lb. .24 - .24½
1 ton.....lb. .24½- .25
500 lbs.....lb. .25 - .25½
100 lbs.....lb. .25½- .26
refd., slabs, cs., lbs.....lb. .29 - .31
Candelilla, bgs., 1 ton.....lb. .18½- .19
jobbing lots.....lb. .19 - .19½
Carnauba, No. 3 chalky, bgs., 1 ton..lb. .50 - .51
5 bgs.....lb. .50½- .51½
1 bg.....lb. .51 - .52
N. C., 2 bgs., 1 ton.....lb. .54 - .55
N. C., 3 bgs., 1 ton.....lb. .51 - .52
5 bgs.....lb. .51½- .52½
1 bg.....lb. .52 - .53
refined, bgs.....lb. .54 - .55
refined, bgs.....lb. .55 - .56
yellow, No. 1, bgs., 1 ton..lb. .62 - .63
5 bgs.....lb. .62½- .63½
1 bg.....lb. .63 - .64
No. 2, bgs.....lb. .61 - .62
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11½- .12
jobbing lots.....lb. .12½- .13
150°-160° m.p., bgs., 1 ton..lb. .13½- .14
jobbing lots.....lb. .14½- .15
160° m.p., bgs., 1 ton.....lb. .13½- .14
jobbings lots.....lb. .14½- .15
Japan, cs.....lb. .15½- .16
Montan, bgs., c.l.....lb. No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ozokerite, hard, green congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .22 - .23
cakes, cs.....lb. .23 - .24
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.74 - —
Whiting, chalk, com'l., dry-grd., bip., bgs., c.l., works..ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap, bgs., c.l., works....ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., bip., bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilder's bolted, bip., bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works...ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap, bgs., c.l., works.ton.17.00 -18.50
l.c.l. works.....ton.18.00 -19.00
paris white, bip., bgs., c.l. works..ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bags, c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l. ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis..ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 820 tons, works. ton.12.50 - —
4-8 tons, works...ton.13.50 - —
2-4 tons, works...ton.14.50 - —
extra bgs. (extra), c.l., works. ton.12.50 - —
8-20 tons, works.....ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works. ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works...ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N. Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock....ton. No prices
100 mesh, bgs., ex dock...ton. No prices
120 mesh, bgs., ex dock...ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. 5.00 - 6.00
Wormwood, bls.....lb. .23 - .25

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
tanks, W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works.gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, dms., returnable, works.gal. .41 - —
tanks, E. of Omaha, frt. alld..gal. .39 - —
3°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld..gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .55 - —
bottles, same basis.....lb. .60 - .64
imp., bbl., same basis....lb. .55 - —
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works.. frt. alld..lb. .50 - —
smaller lots ,same basis..lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, bbls., works, lb. .75 - —
Chrome, CP., bbls., dlvd., N. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul contracts.....lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
primrose shade, bbls., same basis, chrome..lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .05¾- —
yellow A, bbls., works.....lb. .02¼- —
yellow A, bbls., works.....lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01¼- —
H, bbls., works.....lb. .01⅛- —
French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import.lb. .02475 Nom.
New York (f.o.b.)..lb. .02⅝ Nom.
Philadelphia for import..lb. .02¾ Nom.
ex dock San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import....lb. .02¾ Nom.
Portland, Seattle....lb. .03⅛ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto, Boston, N. Orleans..lb. .02725 Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis..lb. .03⅜ Nom.
New York.....lb. .03 Nom.
Pittsburgh.....lb. .03¼ Nom.
Portland, Seattle....lb. .03⅜ Nom.
San Pedro, S. Francisco..lb. .03¼ Nom.
f.o b. N. Y., from dock, lb. .02⅞ Nom.
from whse.....lb. .03¼ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
l.c.l., same basis.....lb. .04⅝- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l. same basis.....lb. .06¾- —
Persian orange (See O).
Yellow, zinc, bbls., same basis, chrome CP, contracts, lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .12
Yerba santa leaves, bls.....lb. .09 - .10
Yohimbine hydrochloride, via...oz. 2.85 - 4.00

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd., lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bags.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls....lb. .32½- —
25 lb. dms.....lb. .37½- —
kgs.....lb. .34½- —
Cyanide, kgs., works.....lb. .33 - —
Dust, bbls., c.l., dlvd.....lb. .08½- —
l.c.l., bbls., dlvd.....lb. .09 - —
Iodide, N.F., bots.....lb. 4.35 - —
jars.....lb. 4.20 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report).
Oxide, pigment, dom., Amer., process, coml., lead free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
bgs., l.c.l., ex whse., Pac. cst..lb. .06¼- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst.lb. .06¾- .08
5%, bgs., c.l., dlvd.....lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¾- —
bbls., c.l., dlvd.....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
35%, c.l., dlvd..lb. .06 - —
bbls., l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst. lb. .06¼- —
35%, bbls., c.l., dlvd....lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
bgs., l.c.l., ex whse., Pac. cst..lb. .06½- —
50%, bgs., c.l., dlvd., except Pac. Coast..lb. .0606- —
dlvd., Pac. cst..lb. .0612- —
l.c.l., dlvd., except Pac. cst..lb. .0631- —
bgs., ex whse., Pac. cst..lb. .0637- —
bbls., c.l., dlvd....lb. .0637- —
l.c.l., ex whse., Pac. Cst. lb. .0662- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst..lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. cst., lb. .06¾- .08
green seal, bgs., c.l., dlvd., l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
red seal, bgs., c.l., dlvd..lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
white seal, bgs., c.l., dlvd. lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
bbls., c.l., dlvd.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —

Urea-Ammo.—Zirconium

Zinc, oxide, imported, gold seal, cks., ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12⅛
USP, bbls., c.l.....lb. .09¼- —
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls..lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .22 - —
l.c.l., 1 ton.....lb. .23 - —
1,000-2,000 lbs.....lb. .24 - —
less than 1,000 lbs...lb. .25 - —
USP, bbls.....lb. .23 - .26
Sulphate, cryst., bgs., c.l..... 100 lbs. 2.90 - —
l.c.l.....100 lbs. 3.65 - —
bbls., c.l.....100 lbs. 3.05 - —
l.c.l.....100 lbs. 3.80 - —
flake, bgs., c.l.....100 lbs. 3.25 - —
l.c.l.....100 lbs. 4.00 - —
bbls., c.l.....100 lbs. 3.40 - —
l.c.l.....100 lbs. 4.15 - —
powd., bgs., c.l.....100 lbs. 4.55 - —
l.c.l.....100 lbs. 5.30 - —
bbls. c.l.....100 lbs. 4.70 - —
l.c.l.....100 lbs. 5.45 - —
Sulphide, bgs., c.l., (20 tons), dlvd..lb. .07½- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .07¾- —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd....lb. .07¾- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .08 - —
barium, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05¼- —
calcium pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05¼- —
magnesium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .05¼- —
Sulphocarbolate, NF, bbls....lb. .24 - .26
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l. works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd., except Pac. cst..lb. .05½- —
ex whse., Pac. cst..lb. .05½- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, grd., bbls., works..ton.75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins and other Branded Paint Materials (Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the Aug. 5 issue; the next printing will be in the Sept. 2 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 31.

Bids Wanted

Acid, Nitric: — 3,900 pounds; Purchasing Agent, Government Printing Office, Washington, D. C.; opening August 28.

Asphalt, Petroleum: — 50 tons; General Purchasing Officer, The Panama Canal, Washington, D. C.; schedule 4275, opening August 29.

Benzene:—25,281 gallons; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton, Ohio; circular 316, opening August 27.

Calcium Chloride:—90,000 pounds; General Purchasing Officer, The Panama Canal, Washington, D. C.; schedule 4277, opening September 3.

Cement, Asphalt:—60,000 pounds, General Purchasing Officer, The Panama Canal, Washington, D. C.; schedule 4275, opening August 29.

Ethylene Dichloride: — 800 gallons; Commanding Officer, Fairfield Air Depot, Ohio; invitation 27, opening August 28.

Linseed Oil:—620,000 pounds for Norfolk; Bureau of Supplies & Accounts, Navy Department, Washington; schedule 2727, opening August 27.

Rust Preventive Comp: — 4,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; invitation 626-64, opening September 3.

Soap, Powdered:—7,840 pounds; Procurement Division, Treasury Department, Washington, D. C.; invitation 8618-S3, opening August 29.

Toilet:—11,250 pounds; Procurement Division, Treasury Department, Washington, D. C.; invitation 8619-S3, opening August 28.

Soda, Caustic: — 800 pounds; Purchasing and Contracting Officer, Medical Sec., S.F.G.D., Fort Mason, Calif.; invitation 3, opening September 5.

24,000 13-ounce cans; Procurement Division, Treasury Department, Washington, D. C.; invitation 8620-S3, opening August 29.

Washing:—4,000 pounds, Purchasing and Contracting Officer, Medical Sec., S.F.G.D., Fort Mason, Calif.; invitation 3, opening September 5.

Superphosphates:—Various deliveries, Sept. 15 to Aug. 13; Division of Purchases, Sales and Traffic, Department of Agriculture, Washington, D. C.; invitation 344, opening September 5.

Trichlorethylene:—4,134 gallons; Contracting Officer, Materiel Division, Air Corps, Wright Field, Dayton, Ohio, circular 315, opening August 27.

Inhibited:—600 gallons; Commanding Officer, Picatinny Arsenal, N. J., procurement 343, opening September 3.

Contracts Awarded

Barium Carbonate:—30,000 pounds; awarded to the Foote Mineral Company, Philadelphia, by the Picatinny Arsenal, N. J., at $56.60 per ton. Procurement 1794, opened July 8.

Nitrate:—50,000 pounds; awarded to E. I. duPont de Nemours & Co., Wilmington; at 8.75c. per pound; procurement 1802, opened July 29.

Glycerin:—1,400 gallons; awarded to the Colgate-Palmolive Peet Company, Jersey City, by the Rock Island Arsenal, Ill.; at $1.27 per gallon; procurement 16, opened July 23.

Nitrocellulose:—1,992,000 pounds awarded to the Hercules Powder Company by the Picatinny Arsenal, N. J., at 23c. per pound; procurement 1728, opened July 5.

Paraffin Wax:—15,000 pounds; awarded to Smith & Nichols, New York, by Picatinny Arsenal, N. J.; at 6.15c. per pound; procurement 6, opened July 16.

Steel Barrel Output Up

Production of heavy type barrels in June amounted to 1,097,836, against 930,319 in May and 861,102 in June last year. Shipments totaled 1,101,901 in June, against 916,285 in May and 861,102 in June a year ago. Stocks on hand at the end of month totaled 46,776 and unfilled orders amounted to 376,681. Output of light types totaled 210,000 in June, against 228,005 in May and 188,546 in June a year ago. Shipments reached 211,950 in June, against 229,944 in May and 191,527 in June a year ago. Stocks at the month-end totaled 5,263 and unfilled order amounted 58,095.

Manganese Found in N.M.

El Paso, Tex., Aug. 22, 1940

Discovery of the largest deposit of high-grade manganese ore ever uncovered in the United States was reported here today. The deposit was found near Hot Springs, N. M., by Robert Burns, a mining engineer. Tests indicated the ore would run more than 30 percent manganese.

Oil, Paint and Drug Reporter

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Drug Distribution Problems

There is never any lack of interest or of readiness to say something when any one of the many national meetings of the drug trade provides an opening for manufacturers and distributors to discuss their correlated functionings and the policies contributing thereto. This opening is always particularly wide at the meetings of drug wholesalers, and when the meeting is that of the cooperative wholesaling group there is a special edge to the discussions.

Because of the many-angled views with which the drug trade endeavors to interpret the Department of Justice's pending probe of drug distributing for tinges or more of monopoly, this year's commingling of manufacturers and cooperative wholesalers in the convention of the Federal Wholesale Druggists Association will have a more-than-usual surcharge of static electricity ready to spark, arc, and sputter at a rub. The occasion will be a big one for drug distribution problems, and the understanding thereof assential to satisfactory solution may come out of the special aspects that have been brought into relief by reason of the antitrust law digging.

The fact that the antitrust chief of the Department of Justice will be at the convention is of particular pertinence. Not that he can be expected to explain in detail why he smells a drug trust mouse, but he may have a catalytic action on those with ideas about such a rodent.

Aside from that especially attractive feature, the F.W.D.A. convention will provide a deal of useful information for manufacturers, as well as distributors, in the drug field. The talk by an expert in cooperative distribution will be timely because consumer cooperatives are becoming stronger. The information on drug wholesaling trends which will be presented from United States census data will be valuable because few, if any, know the economic changes that have marked the past decade. Some who have advance information in this matter say that much of the increased cost of distribution can be attributed to lack of information in that respect.

Phosphate As a Starter

Although primarily designed to promote interest and eventual activity in the correlation of the phosphate resources of the Rocky Mountain States and the fertilizer needs of agriculture and animal husbandry in that region, the conference to be held next week in Ogden, Utah, has a broader significance, not only in its purpose to study the possible expansion of the fertilizer industry in the West, but also with respect to a more generally applied chemical industry. Some approach to this is already in evidence as a concomitant of the development of hydroelectric power in the intermountain region. Further developments loom in the interest being devoted to the alunite and sulphur deposits of that extensive section, as well as the more discussed phosphate and manganese and the better known potash and soda and borates.

There is a fundamental problem of economics, a much discussed and quite controversial one, associated with the ideas of a bigger fertilizer industry in the West. This is the matter of decentralization versus centralization of industrial operations and of the local utilization of natural materials. The West has its potash. It is getting power which could make nitrogen locally available. It has phosphate deposits. Apparently it has the largest need for this last element of plantfood, especially in the light of fertilized pasturage as a profitable substitute for erosion-bringing cultivation of the soil. And the question of its making use of its nearby phosphate deposits cannot disregard the fact that transportation of the relatively low-value superphosphate is a costly item.

Whether the processing of Western phosphate rock be by the acid-treatment or the electro-smelting method is a matter to be studied for determination. The development of the neighboring alunite and sulphur deposits would argue for the former, although itself doubtless involving electrochemical processes. But, the possibilities of the decomposition of alunite, aside from its yield of sulphur oxides, have a wide interest: they comprise a new source of potash and of aluminum. This has had considerable study for some years, and some promising developments may be disclosed at the Ogden conference.

—O-P-D—

It Pays to Show Goods

Reports have it that the exhibition spaces are pretty well taken up in the paint show to be staged in Washington a few months hence and in the chemical show scheduled for a somewhat later date in Chicago. This is as it should be; because if ever there was a time when producers of industrial materials should be eager to show their wares to potential consumers that time is now.

It will be interesting to see, when the two shows referred to make that possible, the proportionate share of materials and other articles in the exhibits. The times, with their emphasis on the need for new materials in a number of directions, would seem to indicate that this year's industrial shows will more than ever before be devoted to materials, rather than to containers and apparatus, even though there is some reason for users to be a bit concerned about future supplies of certain types of containers.

Containers are important; so are machines and other equipment. Developments in these essentials of industrial operation are of interest and of value every year, and may be expected to be no less so this year. But, this is the big year for interest in materials, necessitated by abnormal influences on sources of supplies and on channels through which these become available. This is a big year too—never before has there been a bigger one—for the development of new materials: some to improve on those heretofore in use; some to replace those made scarce or costly by disruption and destruction of world trading.

So, opportunity exists on both sides for a particularly happy meeting of needs increased by industrial expansion and supplies provided by industrial enterprise. In the paint industry this is particularly true. It applies in substantial measure to all industries which use chemicals and related materials. So, producers of such materials hardly need be advised to extend themselves especially in presenting their wares at the paint show and the chemical show and in such exhibitions as may be available in connection with gatherings of technical men in the textile industry, the leather industry, the paper industry—in any industry that converts, compounds, or processes with chemicals and related materials.

—O-P-D—

If Services Are Rendered

The particular interest displayed in business circles over the latest manifestation of the Federal Trade Commission's attitude toward the purpose of the Robinson-Patman act is readily understandable. The practice which the commission is now particularly attacking—that of a purchasing agent's being paid commissions by those from whom he buys for his principals—is a quite common one in all lines of trade. And so is the paying of salesmen by buyers.

This is the language of section 2 (c) of the Patman act on which the commission relies for its position that sellers' compensating of buyers is illegal:—

> That it shall be unlawful for any person engaged in commerce, in the course of such commerce, to pay or grant, or to receive or accept, anything of value as a commission. brokerage, or other compensation, or any allowance or discount in lieu thereof, except for services rendered in connection with the sale or purchase of goods, wares, or merchandise, either to the other party to such transaction or to an agent, representative, or other intermediary therein where such intermediary is acting in fact for or in behalf, or is subject to the direct or indirect control, of any party to such transaction other than the person by whom such compensation is so granted or paid.

The application of this statutory prohibition depends, of course, on whether the functioning for which compensation has been granted factually constitutes services rendered to the payer by the payee. In the common terminology of trade "service" is a most comprehensive designation. The question faced by the Federal Trade Commission depends on the extent to which the courts will accept common usage of the term and on which side it can be most convincingly argued whether there is any service for a seller in being given a piece of business that he would not get unless he paid the intermediary who has it to give. So far, in brokerage cases, the purpose of the statute, rather than its language, has controlled.

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Heavy Chemicals

Shipments of Many Basic Chemicals at Satisfactory Levels —Seasonal Items Less Active—Copper Carbonate Lower —Electrolytic Copper Firmer — Tin Salts Easier

Shipments in the market for heavy chemicals were maintained at satisfactory levels last week. Seasonal chemicals experienced some tapering, but inquiries for basic materials were encouraging. Replacement buying in a number of items continued steady, although there was little indication that consumers were adding a great deal to inventories at this time. The outlook remained favorable, with broader activity in many lines anticipated in view of the National Defense plan. Price changes again were limited to metals and their derivatives.

Alumina sulphate, anhydrous ammonia, ammonia nitrate, sal ammoniac, carbon tetrachloride, chlorine, copper sulphate, nickel salts, potash salts, saltcake, alkalies, soda cyanide and soda silicate received good attention from major consuming channels. In the mineral acids, chromic, formic, muriatic, nitric and sulphuric enjoyed a steady demand.

Alums.—Demand steady. No new price developments.

Alumina Sulphate. — Satisfactory movement to most major channels. Prices rule firm.

Ammonia, Anhydrous. — Good inquiry continues, shipments steady. Quotations firm.

Ammonia, Aqua.—Buying moderate. Prices unchanged and firm.

Ammonia, Bifluoride. — Business lacked expansion, but market retained its firmness.

Ammonia Carbonate.—Dealings routine. Prices well maintained.

Ammonia Nitrate.—Inquiries reached market in good volume. Market position firm.

Ammonia Perchlorate. — Regular consumers supplied with normal needs. Prices nominal.

Ammonia Persulphate.—Trading narrow. Pricewise no change occurred.

Ammonia Silicofluoride. — Interest only fair. No change disclosed in the quotations.

Ammonia Sulphide. — Transactions moderate. Prices lacked any change.

Ammoniac, Sal.—Shipments satisfactory in some directions. Prices without change and firm.

Antimony.—Domestic spot metal unchanged. Small lots provided bulk of trading.

Antimony Oxide.—Business routine. Prices steady to firm.

Arsenic. — Moderate demand for white; supplies of red small. No new price developments.

Barium Carbonate.—Quotations unchanged. Business irregular.

Barium Chloride.—Shipments moderate. Prices well sustained.

Barium Hydrate.—No price movements disclosed, with commitments fair.

Barium Nitrate.—Consumers supplied satisfactory interest for nearby needs. Prices firm.

Barium Oxide.—Buying did not broaden; however, prices were well maintained.

Bleaching Powder.—Market routine. Pricewise a firm tone prevailed.

Calcium Acetate.—Business underwent little change from recent weeks. Prices unaltered.

Calcium Carbide. — Demand fair. Prices rule firm.

Calcium Chloride. — Withdrawals moderately active. Nothing new occurred in the quotations.

Carbon Bisulphide.—Buying steady. Prices without change.

Carbon Tetrachloride.—Replacement buying continued favorable. Prices unchanged.

Chlorine.—Shipments moved at a good pace in most directions. Market position remained firm.

Cobalt Oxide. — Conditions little changed, with supplies limited to regular consumers. Prices firm.

Price Changes

Advanced

Copper, electrolytic, ¼c. per lb.

Reduced

Copper, carbonate, 52-54 pc., ⅝c. per lb.
chloride, ¼c. per lb.
Tin, Straits, ⅛c. per lb.
tetrachloride, anhy., ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.7	**153.7**	**153.9**	**146.8**

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	**101.6**	**101.6**	**99.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Copper. — Domestic demand good. Smelters advanced price to 11c., same as primary producers. Outside also 11c. per pound, while export held at 9.90c. per pound, f.a.s.

Copper Salts.—Prices were fractionally lower for the carbonate and chloride at 15.70c. and 15¾c. per pound, respectively. Other copper derivatives unchanged.

Copper Sulphate.—Business held at favorable levels. Prices without change.

Copperas.—Market position experienced little change; shipments held to regular channels. Prices firm.

Feldspar.—Fair demand. Pricewise no change took place.

Fluorspar.—Moderate activity. Prices still subject to much competition in some areas.

Glauber's Salt. — Business routine. Prices lacked any change.

Lead Acetate.—Buying confined to nearby needs. Fluctuations in basic metal had no effect on prices.

Lead Nitrate.—Interest only moderate. No change disclosed in the quotations.

Magnesite.—Satisfactory inquiry, domestic shipments steady. Prices firm.

Manganese Salts.—Trading limited to regular channels as a rule. Pricewise a firm tone predominated.

Nickel Salts.—Withdrawals steady. Prices unchanged and firm.

Phosphorus.—Shipments of red restricted to regular consumers; yellow in fair demand. Prices well sustained.

Potash Carbonate. — Shipments moved against contracts steadily. Market position firm.

Potash, Caustic.—Firmness characterized the trading, while replacements entered market on a good scale.

Potash Chlorate. — Market position tight, sellers confined business to regular accounts as a rule.

Potash Permanganate.—Call steady from regular channels. Prices rule firm.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
DCAT outing, Oct. 18-19, Skytop.
Pest Control Association, Oct. 28-30, Indianapolis.

Salt.—Prices steady to firm. Demand moderate.

Saltcake.—Market nominal. Shipments steady to paper trade.

Saltpeter. — Quotations unchanged and firm, with shipments routine.

Soda Acetate.—Market retained its firm position, while shipments were fairly steady.

Soda Ash.—Buying moderately active in most directions. Pricewise nothing new occurred. June exports 6,004,308 pounds, valued at $98,237.

Soda Bicarbonate.—Steady interest. Prices without alteration. June exports 1,711,027 pounds, valued at $33,001.

Soda Bisulphite.—Fair demand. Sellers retained former prices.

Soda, Caustic.—Consumers made replacements consistently to keep market in favorable position. Prices without change. June exports 16,441,941 pounds, valued at $333,821.

Soda Cyanide.—Shipments moved at a good pace. Market position firm. June exports 914,316 pounds, valued at $106,914.

Soda Metasilicate.—Market underwent no price revision, while demand held at favorable levels.

Soda Nitrite.—Steady call from usual channels. Prices without change.

Soda Phosphate.—Transactions routine. Prices steady to film. June exports 442,896 pounds, valued at $14,365.

Soda Silicate.—Buying steady, and prices well maintained. June exports 1,750,839 pounds, valued at $23,672.

Soda Silicofluoride.—Normal demand, with market position tight. Imported offerings small.

Soda Sulphide.—Business moderately active. Prices remain the same.

Sulphur, Refined.—Some irregularity reported in the demand, but market position continued firm.

Tin Salts.—Anhydrous tetrachloride of tin declined ¼c. to 24¾c. per pound, while other tin salts held at previous levels. Spot Straits tin was quoted at 50⅝c. per pound.

Zinc Chloride.—Moderate replacement buying against contracts. Prices unchanged and firm.

Acids

Buying held at favorable levels in the market for mineral acids last week. Chromic was well taken by the automotive trade. Formic was well sold ahead. Call for muriatic was steady. Inquiries for nitric remained good. Offerings of oxalic were confined to regular channels as a rule. Steel operations continued to favor movement of sulphuric in this direction. Market underwent no price change, and the tone was steady to firm.

Production of oxalic acid in 1939 totaled 10,416,269 pounds, against 9,194,738 pounds in the previous year. Imports amounted to 183,223 pounds, compared with 569,552 pounds in 1938. During the first half of 1940 imports were practically nil, as compared with 158,418 pounds in the like period a year ago.

Acetic. — Buying fairly steady against contracts. Prices steady to firm.

Battery. — Moderate movement to usual channels. Quotations unchanged.

Chromic.—Price tone firm, while shipments were steady.

Formic.—Market retained its firmness, with demand satisfactory.

Gallic.—Inquiry only fair, but prices held at firm levels.

Hydrofluoric.—Interest routine. No change disclosed in the prices.

Lactic.—Withdrawals spotty. Steady to firm price tone.

Muriatic.—Steady call. Priceswise nothing new developed.

Nitric.—Good inquiry. Market position well maintained.

Oxalic.—Trading limited to regular channels for normal needs. Prices rule firm.

Phosphoric. — Small lots usually made up the call. Prices firm.

Sulphuric.—Shipments moved at a favorable pace in most directions, to keep market in a firm position. Steel operations remain high.

Baltimore, Aug. 21.—The quiet in the market for sulphuric acid persists in the face of a situation that would seem to call for exceptional activity at least in so far as the demand for acid from sources other than the manufacturers of fertilizer mixtures are concerned. Nominally the quotations range around $12 per ton for 60-degree and $15 per ton for

—Continued on page 26

Chemical Salesmen's Golf Winners Lead By Alexander

Charles Alexander, of Seldner & Enquist, who captured the 1939 golf crown of the Salesmen's Association of the American Chemical Industry, won the low net prize for Class A players at the association's third golf tournament of the season, at the Bonnie Briar Country Club, Larchmont, N. Y., August 20. E. J. Boehm, of the National Aniline Company, was awarded the low net prize for the Class B players. Other winners were:—

Class A, second low net, S. C. Moody, of the Calco Chemical Company.

Class B, second low net, Ray Giebel, of the Harshaw Chemical Company.

Guests, low net, J. B. Eakins, of J. S. & W. R. Eakins.

Low gross, member, Paul Dunkel, of Paul A. Dunkel Co.

Kickers, member, D. L. Prior, of the Prior Chemical Corporation; C. W. Frost, of the Prior Chemical Corporation; C. H. Slater, of the J. T. Baker Chemical Corporation; guest, R. H. McCahan.

Arrangements were in charge of Phil LoBue, of Joseph Turner & Co., chairman of the entertainment committee.

Illinois Pipe Line Company, a subsidiary of the Ohio Oil Company, Cleveland, has been valued at $24,475,000 by the Interstate Commerce Commission as of December 31, 1934.

Phosphate Conference Opens September 5

—Continued from page 3

Evening Banquet—8:00 p.m.

Hotel Ben Lomond, for delegates and visitors

Remarks by governors, members of Congress, or leaders in industry and education, and other distinguished guests.

September 6

Forenoon Session—9:30 a.m.

Chairman, President A. G. Crane, University of Wyoming and member of committee on preservation of phosphate deposits and their national use

Subject:—"Possible Future Expansion of the Western Fertilizer Industry."

"New and Established Developments in Processing Phosphate Rock," Dr. K. D. Jacob, senior chemist, Division of Phosphate Research, Bureau of Plant Industry.

"Alunite and Sulphur as Sources of Acid for Phosphate Processing," Dr. O. C. Ralston, chief of Nonmetals Division, United States Bureau of Mines.

Afternoon Session—2:00 p.m.

Chairman, Professor Clyde McKee, Montana State College

Subject:—"Possible Future Expansion of the Western Fertilizer Industry."

"Electric and Other Power Resources of the Intermountain Region," L. W. Nims, Utah Power & Light Company.

"Economic Feasibility of Expanding the Western Phosphate Industry," Dr. C. J. Brand executive secretary of the National Fertilizer Association, Washington, D. C.

"Development and Use of Organic Fertilizers," Prof. V. E. Spencer, Experiment Station, University of Nevada.

Report of committee on principles and objectives, A. G. Crane, chairman; E. J. Iddings, Wilmon Newell.

Plans have been made for trips at the pleasure of the delegates September 7 and possibly later to important phosphate deposits of Idaho, Utah, and Wyoming, and to important alunite and sulphur deposits of southern Utah.

Cuban-American Manganese To Lift Output 30,000 Tons

The Cuban-American Manganese Corporation will increase capacity of its Santiago, Cuba, plant by one-third, according to Langbourne M. Williams, jr., president of the Freeport Sulphur Company, this city, of which the Cuban-American Manganese is a subsidiary. Mr. Williams said that the plant capacity will be increased from 100,000 tons of ferro grade ore annually to 130,000 tons.

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Stauffer Chemical Gets Wean For Farm Research Div.

Dr. Robert E. Wean, of Purdue University staff, has joined the agricultural research division of the Stauffer Chemical Company. His work will consist chiefly in giving technical assistance to growers and other Stauffer customers on problems relating to soil corrective treatments, insect and disease control, and other phases of agriculture. His headquarters will be in New York city.

Dr. R. E. Wean

Prior to his work at Purdue Dr. Wean was with the United States Department of Agriculture working on diseases of orchard and nursery trees; his duties involved the development of new spray materials and the diagnosis of injuries caused by insects and fungi. He has issued various papers pertaining to the fields of pathology and horticulture.

Heavy Chemicals

—*Continued from page* 25

66-degree acid. The figures named for oleum also are wholly nominal and stand at $17 per ton.

Insecticides

Business in the market for agricultural insecticides and fungicides was quiet last week. Demand followed a normal seasonal tapering, which has been in evidence for the past several weeks. Market continued to enjoy a satisfactory export inquiry. Prices lacked any changes, and firmness prevailed in most division of the market.

Calcium Arsenate. — Little interest displayed in the market. Prices without change.

Lead Arsenate.—Market was dull. Pricewise nothing new occurred.

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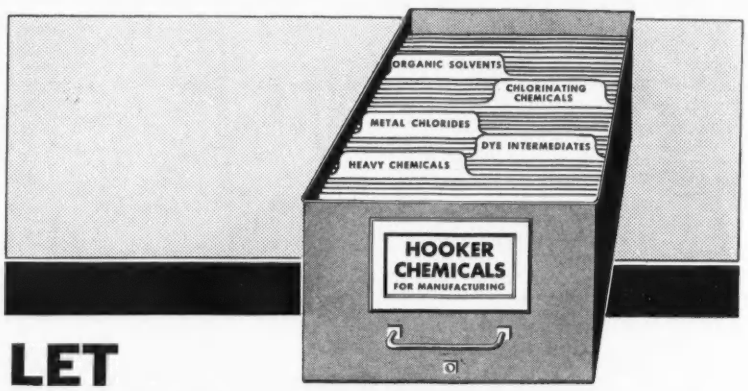

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671

Dyestuffs, Textile and Leather Chemicals

Buying Continues Sluggish — Developments Abroad Awaited —Bichromate Exports Delayed by Licensing Restrictions —Tanning Materials Quiet—Natural Dyestuffs Dull

Buying remained sluggish in the market for dyestuffs, textile and leather chemicals last week. Consumers lacked the desire to make commitments on a broad scale at this time. Developments abroad still played a prominent part, with buyers content to mark time. Stocks in most consumers' hands, while not believed to be large, were sufficient to take care of nearby requirements. The market was lacking in any price movements.

While exports of bichromates has slowed down from the peak levels, producers report a good interest. Much of the speculation has been removed from the market. The licensing of all exports has caused some delay and rejections, but in the majority of instances sellers were receiving the necessary permits. Shipments during the first six months this year were about double the final half of 1939. Domestic business has shown some pickup in August over July and is well ahead of the same month a year ago.

Sizing materials moved in conservative quantities, and prices for most products appeared to be stabilized for the time being. Natural dyestuffs were dull. Movement of tanning materials lacked any improvement, sellers were not anticipating any worth while movement for a few more weeks.

Chemicals

Alumina Acetate.—Market remained routine. Prices held the same.

Alumina Chloride.—Interest fair. Quotations without change.

Ammonia Acetate.—Usual consumers made fair replacements.

Ammonia Bichromate. — Dealings lacked much expansion. Prices unchanged.

Antimony Salts.—Dullness characterized the trading. No change in the prices.

Chrome Acetate.—Small quantities made up the call. Prices unaltered.

Potash Bichromate.—Business proceeding along normal lines. Moderate export inquiry. Prices rule firm.

Potash Prussiate.—Market position firm, with inquiries fair.

Soda Bichromate. — Shipments moved against contracts satisfactorily. Market retained its firm position. June exports 2,544,369 pounds, valued at $284,733.

Soda Prussiate.—Transactions routine. Prices steady to firm.

Sulphonated Oils.—No further price changes occurred, shipments fairly steady.

Zinc Dust.—Price tone held firm. Business at moderate levels.

Dyestuffs

Annatto.—Market quiet. Quotations without change.

Cochineal.—Prices rule firm. Purchases narrow.

Fustic.—Fair demand. Pricewise a firm tone prevailed.

Hypernic.—Usual consumers made necessary replacements.

Indigo.—New stocks awaited, with shipment costs expected to be higher.

Logwood.—Business routine. No change occurred in the prices.

Madder Dutch.—Market dull. Nothing new developed in the prices.

Turmeric.—Market position strong, with sellers confining shipments to regular channels.

Sizing Materials

Albumen, Blood.—Demand continued steady. Prices firm and unaltered.

Albumen, Egg.—Buying slow. There was no disposition to change prices.

Corn, Sugar.—Tone of market firm, but prices lacked any change. Bookings moderate.

Dextrin, Corn.—Buying steady for nearby needs. Prices rule firm.

Dextrin, Potato.—Prices nominal, with inquiries light.

Price Changes

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
144.8	144.8	144.8	134.4

Market news that may have developed after this report was sent to press will be found on page 4.

Egg Yolk.—Not much feature to the market. Prices well sustained.

Starch, Corn.—Quotations unchanged and firm. Withdrawals fairly steady. Visible supplies of corn for week ended August 17 declined 121,000 bushels.

Starch, Potato.—Market in firm position. New business narrow.

Starch, Rice.—No change disclosed in the prices. Inquiries only fair.

Starch, Sweetpotato.—Steady to firm price tone. Business moderate.

Tapioca Flour.—Market experienced little change from recent weeks. Prices hold firm.

Tanning Materials

Chestnut Bark.—Prices unchanged and firm. Business fair.

Cutch.—New business light. Quotations rule unchanged.

Gambier.—Market dull, and quotations strictly nominal.

Hematine.—Nothing new occurred, with demand slow and prices the same.

Hemlock Bark—Withdrawals against contracts gave little indication of expanding at this time. Pricewise a firm tone remained in evidence.

Mangrove Bark. — Prices well retained at levels established previous period. Business narrow.

Myrobalans. — Market lacked any new developments, with dealings sluggish.

Quebracho.—Business was only fair. Pricewise a firm tone prevailed.

Quercitron. — Buying conservative. Quotations without change.

Spruce.—Shipments held close to production requirements. Prices underwent no alteration.

Sumac.—Trading was at a standstill, since imports from primary markets have been virtually cutoff since the war in the Mediterranean.

Valonia.—Consumers continued to mark time. Prices lacked any change.

Wattle Bark.—Market a quiet affair. There was nothing new to report in the prices.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Textile Chemists and Colorists, Oct. 18-19, New York.

Cuba Subsidizes Output Of Items Now Imported

—Continued from page 3

a maximum limit of said security of $50,000.

Only one title to a patent of industrial introduction can be allowed for each class of articles and their analogues classified or contained in each of the items of the tariff in force, the right of preference being determined strictly by the chronological order of the filing of the applications, in which case they shall be recorded in a registration book at the office of the Secretary of Commerce, and there shall be handed to the interested party not only the corresponding filing certificate, but also a duplicate of his application, the secretary certifying at the bottom of the latter the date, hour, and minutes of the filing, the number of the class, the security given and, if there exists or not, any other prior application for the same article. If not, and if it is proved that the article to be produced is not manufactured at the moment within the national territory or is manufactured at a rate of less than 15 percent of the average consumption of the last five years, and if the applicant has furnished the corresponding security, there shall be granted without any further proceedings, by final decision of the Secretary of Commerce, within eight days of the filing of the application, the title to a patent of industrial introduction, with a validity or life of fifteen years, its corresponding "registration" and its publication being made in the Gaceta Oficial de la Republica, and in case there should be nonfulfillment of any of the requirements mentioned, the secretary shall reject the application and return the security, against which rejection appeal may be made to the competent courts of justice after exhausting the administrative course of procedure.

As to the manufacturers of articles that are being produced at present within the territory of the Republic at a total rate of less than 15 percent of their consumption and do not receive the benefits referred to in the first paragraph of the first article of this transitory provision, their right shall be respected to continue producing each one as his annual quota the same amount of said article which he produced during the year of 1939, with an increase or decrease proportional to the increase or decrease which in the future takes place in the national consumption with respect to said year.

Third. When the patent has been granted and worked and the capacity of production of the articles protected by it has been proved to be more than 80 percent of the national consumption, no other person shall be entitled from that moment during the whole life of the patent to manufacture, elaborate, or prepare for consumption within the national territory said articles or others similar to them, infringers being subject to the civil and criminal liabilities laid down in the laws in force, and the articles in question imported from abroad at any time or for any reason during said period shall be subject to a duty or impost in the shape of an additional tax equal to 50 percent ad valorem, which shall always be entered in final form by the customhouses as a protective tariff marginal note, and the government shall moreover adopt any measures that are necessary for preventing dumping and other illegal practices of foreign producers. In applying the additional tariff duties established in the present paragraph, respect shall always be shown to the text of the actual existing international treaties as far as the latter are in force.

The owner of a patent of industrial introduction shall have the right during all of the time the patent is in force to import without limits and restrictions the machinery and materials intended for the installation of the industry, as well as all the prime materials employed and utilized in the production, elaboration, and preparation of the article in question, if they are not on the free list with a rebate or reduction of 80 percent of the tariff imposts and duties which may be applied to them in accordance with the tariff laws in force at the date of the granting of the patent; and during the life of the latter no change whatever in said exemptions or imposts or duties shall be made, nor in the duties, imposts, charges, or contributions of an internal kind which may apply at said date to such imports after they have entered the national territory, or to the industries protected by the patent, the articles produced under the patent being exempt from imposts, duties, charges, or levies, internal or of any other kind, of the State, province, or municipality, different or greater than those payable on similar articles of national origin or from another foreign country; and in no case shall there be laid down provisions prejudicing the rights protected by the patent, nor shall the latter be altered, suspended, or annulled, unless it has expired or its terms have not been fulfilled, but in every case a decision must previously be handed down by the proper courts of justice.

Fourth. The owners of patents of industrial introduction must use in their industries prime materials produced within the national territory preferably of a quality and price equal to those produced abroad, and the wholesale charges for the national consumption of articles manufactured under the protection of these patents shall in no case be made by the producer higher than a maximum of 10 percent over and above the price obtained as an average for the domestic consumption in the two weeks prior to the sale according to the verified quotations of the New York market for articles of the same class plus the ordinary expenses incurred until their arrival free on board in the port of Habana.

Fifth. As to the matters not specially provided for in the preceding transitory stipulations, there shall prevail as a suppletory the existing law on industrial property as amended by the law-decree No. 805 of April 4, 1936.

Donald Comer Appointed Textile Foundation Head

Donald Comer, Birmingham, Ala., has been appointed by President Roosevelt to serve as director of the Textile Foundation, to fill the unexpired term of Stuart W. Cramer, Cramerton, N. C., who died July 2, and whose four-year term as director expires June 11, 1941.

Container Corporation of America, Chicago, has completed its new manufacturing unit at Fort Worth, Texas.

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Cresol U. S. P.

Cresol U.S.P. is used for the manufacture of Liquor Cresolis compositus; as a preservative and in the manufacture of textile soaps and wetting out agents. It is water white as produced, but darkens in time. Distillation not less than 90% between 195-205°C.

Metaparacresols

Metaparacresols are available in three principal grades, and are widely used in the manufacture of synthetic resins, tricresyl phosphate and other cresol derivatives in which low orthocresol content is desirable. All are produced as light colored liquids. The 2° grade contains approximately 60% Metacresol, and distills 95% in 1°C. range; completely within 2°C. between 200.3° and 203°C. The 3° grade contains approximately 55% Metacresol, and distillation range is 3°C. between 200°C. and 203.5°C. The 5° grade contains approximately 53% Metacresol and distills within 5°C. range between 199-205°C.

Orthocresol

Orthocresol is produced as a white crystalline material and is used in preparation of synthetic tanning agents; orthocresotinic acid and cumarin; and in some synthetic resins. It is used in controlled amounts with phenol or other cresols to impart plasticity to their resinification products. Three regular grades are manufactured with minimum melting points of 30.4°C.; 30°C.; 29°C. and maximum distilling ranges of 95% within 2°C., 90% within 2°C. and 100% within 5°C. respectively. Lower melting point grades can also be supplied.

Metacresol

Metacresol is an especially fast reacting tar acid, used in moulding-type phenolic resinoids and in production of certain refined organic chemicals. It is produced as light colored liquids boiling between 199° -204°C., in grades of 80-82% and 70-75% purity.

Paracresol

Paracresol is used in the preparation of dyestuffs and oil-soluble resins. It is produced in two grades: 92-94% and 98-100% pure. Both are light-colored crystalline materials melting not lower than 29.2°C. and 33°C. (dry basis) respectively.

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CHEMICALS

Coaltar Chemicals

High Benzol Production Brings About Weakening in Prices —Toluol and Xylol Unchanged — Phenol Continues Firm —Steel Operations Remain at Near Capacity Level

Weakness in benzol stood out as the most important factor in the market for coaltar chemicals last week. Output for some weeks has been running in excess of the demand, and the liberal offerings brought about concession in prices from leading producers. Coking by-product operations continued high as a result of the near capacity steel production. Steel output last week was scheduled at 89.7 percent of capacity, compared with 62.2 percent in the corresponding week a year ago.

Toluol and xylol did not follow the easier trend in benzol; stocks have been fairly well absorbed domestically, despite the slackening in export inquiries. Phenol experienced a moderate export demand, while shipments for domestic account were regarded as satisfactory. Call for cresylic displayed much irregularity, however the market position was well sustained. Creosote oil was taken moderately. Pyridin shipments were steady.

Business in coaltar acids was mostly routine. Fumaric inquiries continued satisfactory, and maleic was moderately active. In the intermediates, anilin, dimethylanilin, dinitrotoluene, nitrobenzene and phthalic anhydride were taken steadily. Movement of coaltar colors remained moderate.

Price Changes

Advanced

None.

Reduced

Benzol, 1c. per gal.

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compares as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.1	127.2	127.2	125.2

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Prices 1c. per gallon lower, making drums 19c. and tanks 14c. per gallon. Revision is retroactive to August 1.

Carbazole.—Routine transactions characterized the trading. Prices unchanged and firm.

Coaltar.—Shipments moved against contracts in fair volume. Pricewise no change occurred.

Creosote Oil.—Consumers entered market for moderate replacements. There was nothing new to divulge in the prices, and tone of market was steady to firm.

Cresols.—Interest was fair for most grades, with buying usually confined to nearby needs. Prices without change.

Cresylic Acid.—Quotations held at previous levels. Demand continued irregular. In absence of any substantial offerings from abroad, tone of market remained steady to firm.

Naphthalene.—Prices nominal. Shipments of crude routine, while refined moved in normal seasonal fashion. Imports from abroad remain small.

Oil, Shingle Stain.—Market lacked any new feature of consequence. Prices were unchanged.

Phenol.—Interest steady. Moderate export inquiry. Prices the same, and tone of market firm.

Pitch, Coaltar.—Trading along routine lines. No change disclosed in the prices.

Pyridin.—Shipments moved at a steady pace. Quotations lacked change. and a firm tone predominated.

Tar Acid Oils.—Business only fair. Prices in conformity with those prevailing previously.

Toluol.—Withdrawals against contracts steady. Export inquiry light. Nothing new developed in the prices.

Xylol.—Consumers made commitments to take care of nearby replacements as a rule. Prices ruled unchanged.

Chicago Coaltar Bases

Most grades of coaltar bases are in good call and are holding their own without much difficulty in the market. Buyers have been placing orders in fairly good quantities for benzol, etc. The tone of the market in general is steady. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 10c. to 10½c.; toluol, 27c.; 10-degree xylol, 29c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—Dealings remain routine. Prices without change.

Benzoic.—Demand only fair. Quotations rule firm.

Broenner's.—Small quantities made up the call. Prices unaltered.

Cleve's.—Nothing new developed in this direction, and prices held firm.

Fumaric. — Inquiries satisfactory. Prices, no change occurred.

Gamma.—Commitments usually held close to production requirements.

H.—Market strictly a routine affair. Prices unchanged and firm.

Laurent's.—Usual consumers made necessary purchases. Quotations unchanged.

Maleic. — Withdrawals moderately active. Prices continued firm.

Malic.—Business steady. Quotations without alteration.

Picramic.—Firm price tone prevailed, with shipments moderate.

Picric.—Market retained its strong position, and shipments were steady.

Salicylic.—Interest at fair levels. No change occurred in the quotations.

Sulphanilic. — Commitments were made in line with current needs. Prices firm.

Tobias.—No change in the prices, with buying fair.

Other Intermediates

Alphanaphthol.—Trading confined to usual channels for moderate quantities. Prices unchanged.

Alphanaphthylamine.—Prices remain firm. Business steady for moderate quantities.

Anilin.—Spot and contract takings moderate. Prices unchanged and firm.

Anthracene.—Buying fair. Nothing new occurred in the quotations.

Anthraquinone.—Demand steady for nearby needs. Prices without change.

Benzaldehyde. — Market routine. Pricewise a steady to firm tone predominated.

Benzidin Base.—Quotations unchanged and firm. Business moderate.

Betanaphthol. — Shipments fairly steady. No change disclosed in the quotations.

Betanaphthylamine. — Usual consumers entered market for nearby requirements. Quotations rule firm.

Dimethylanilin.—Withdrawals mod-

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Textile Chemists and Colorists, Oct. 18-19, New York.
Pest Control Association, Oct. 28-30, Indianapolis.

erately active. Nothing new to report in the prices.

Dinitrobenzene.—Demand failed to broaden, but commitments remained steady to nearby requirements.

Dinitrochlorobenzene. — Quotations firm and unchanged. Interest fairly steady.

Dinitronapthalene. — Dealings routine. Quotations held at previous levels.

Dinitrophenol.—Trading lacked any broadening, but prices were well sustained.

Dinitrotoluene. — Market position firm, buying steady from regular channels.

Diphenyl. — Transactions conservative. No change occurred in the prices, with tone of market steady to firm.

G. Salt.—Trading held at routine levels. Prices rule unchanged.

Metanitroparatoluidin. — Small quantities continued to make up the bulk of the business. Prices firm.

Nitrobenzene. — Shipments moderately active. Pricewise a firm tone prevailed.

Nitronaphthalene.—Business moderate. There was nothing new to report in the prices.

Orthoanisidin.—Moderate quantities made up the call. Pricewise a firm tone governed the dealings.

Orthoanilin.—Usual consumers made purchases in line with nearby needs. Quotations ruled firm.

Orthochlorophenol. — There was little broadening in the demand, but market retained its firm position.

Orthodichlorobenzene. — Shipments moved against contracts at a satisfactory pace. Quotations rule firm.

Orthonitrotoluene.—Prices firm and unchanged. Withdrawals fairly steady.

Orthotoluidin.—Interest fairly steady. No change disclosed in the prices, and the tone of the market remained steady to firm.

Parachlorophenol. — Commitments were narrow in most instances. There was nothing new to divulge in the prices.

Paranisidin.—Usual consumers en-

—*Continued on page* 30

Dye Strength Standards Adopted

The following list of standards of strength have been adopted under provisions of paragraph 28 of the tariff act of 1930:—

List of Standards

Standard No.	Class Index.	Name of standard.	Mfr.	Partial list of trade names of imported products commercially identical with each standard.	Mfr.
1 BY	(A)	Acid pure blue BR.....	(G)..	Acid pure blue BR supra 1205....	(G)
2 BY	(A)	Azo rubinol 3 GP.....	(S)..		
3 BY	(D)	Brilliant direct pink 3 B.....	(J)..		
4 BY	(D)	Chlorantine fast orange T5RLL..	(J)..		
5 BY	(V)	Cibanone olive 2 B paste.....	(J)..	Cibanone olive 2 B micro powder..	(J)
6 BY	(D)	Direct fast red F.....	(P)..		
7 BY	(A)	Fast leather brown RLC.....	(J)..		
8 BY	(P. C.)..	Rapidogen bordeaux RN.....	(IG)..	Naphtanilide bordeaux RN NR..	(Rohner)
9 BY	(P. C.)..	Rapidogen red violet RR.....	(IG)..	Naphtanilide red violet 2 R..	(Rohner)
10 BY	(P. C.)..	Rapidogen violet B.....	(IG)..	Naphtanilide violet B.....	(Rohner)

Additional Names of Dyes Corresponding to Dyes Already Adopted as Standards

Standard No.	Class Index.	Name of standard.	Mfr.	Partial list of trade names of imported products commercially identical with each standard.	Mfr.
171	(A)	Azo phloxine 2 G.....	(By)..	Amido naphtol red G ext. conc....	(IG)
309	(D)	Chlorantine fast brown BRL.....	(J)..	Diazol light brown NBRN.....	(CN)
				Fastusol brown LBRS.....	(IG)
8 BX	(D)	Chlorantine fast rubine RNLL...	(J)..	Diazol light ruby NBL.....	(CN)
6 BT	(A)	Fast mordant blue B.....	(IG)..	Omega chrome fast blue B.....	(S)
719	(V)	Indanthrene claret B extra paste.	(B)..	Algol bordeaux RTN.....	(IG)
751	(V)	Indanthrene yellow G paste.....	(B)..	Cibanone yellow G for nitrocellulose lacquer.....	(J)
25 BM	(D)	Solophenyl fast blue green BL...	(G)..	Blue green dyestuff for emulsions...	(J)

Changes in Standard List

Acid pure blue BR (G) listed under 264, Grasol rubine B (G) listed under 17 BN, Omega chrome fast blue B (S) listed under 11 BD, Vulcansol yellow 5G, 15 percent paste (IG) listed under 11 BS, are removed from the list.

Brown Textile Color Described By General Dyestuff Corp.

A leaflet describing its "Rapidogen Brown GN" has been issued by the General Dyestuff Corporation. The dyestuff, it is stated, is dissolved, printed and developed on textiles in the usual manner for "Rapidogens." On cotton and rayon fabrics it produces neutral browns of good fastness to soaping and chlorine, the leaflet declares. A copy of the leaflet may be secured by communicating with the General Dyestuff Corporation, 435 Hudson street, New York, mentioning the REPORTER.

Goodyear to Erect Plant For 'Chemigum' Production

An immediate and substantial increase in the output of "Chemigum," a synthetic rubber, by the erection of a new plant in Akron with a capacity of 10,000 pounds daily, was announced by the Goodyear Tire & Rubber Company last week. The company also has completed plans for a further large expansion of manufacturing facilities in the event of an emergency which would threaten the nation's supply of crude rubber. The product is derived from petroleum through a cracking process.

Trade Briefs

James E. Lounsbury, Jr., has established a chemical consulting office at 475 Fifth avenue, this city specializing in abstracts, reports and translations of patent and technical literature.

J. H. Tuttle has been elected a vice-president of Standard Oil Company of California to fill the vacancy left when H. D. Collier was elected president to succeed the late W. H. Berg.

Oklahoma Pipe Line Company, subsidiary of the Standard Oil Company of New Jersey, has been valued at $12,753,500 by the Interstate Commerce Commission as of December 31, 1934.

C. E. Lilygren, of National Lead Company's Atlantic branch metal department, was recently honored at a luncheon given by his associates to celebrate his completion of forty-five years service with the company.

Edwin S. Hall has been elected a vice-president of the Standard Oil Company of New Jersey, incorporated in Delaware, an operating subsidiary of the Standard Oil Company of New Jersey. Mr. Hall has been a director of the company since 1934 and at present is its senior counsel.

Callite Tungsten Corporation has acquired a building between 39th and 49th streets on Hudson boulevard, Union City, N. J., affording approximately 100,000 square feet of additional factory space for expansion. Branch factories at Newark and North Bergen will be consolidated at the main factory in Union City.

United States Manganese Corporation has taken out a Maryland charter to operate a mine, with its office at 27A Ridge road, Greenbelt, the government-fostered low rent development in Montgomery county. The authorized capital stock is fixed at $1,000. Cyril P. Dickson, Dennis K. Pickens and Curtis H. McIlney, all of Arlington, Va., are the incorporators of record.

KOPPERS

PHENOL—All standard grades such as 82% and 90% and 39° Melting Point Pure.

CRESOL—U.S.P. with very close cut distillation range and light color, for pharmaceutical purposes—Meta-Para Cresol with high meta cresol content—Resin cresols close cut to wide boiling with guaranteed meta cresol contents and clean odor.

CRESYLIC ACID—Many distillation ranges appropriate for all established uses—pale color—clean odor—total impurities besides water not exceeding one half of one per cent.

TAR ACID OILS—Frozen crystal free at 0°C.—good emulsion-forming properties—low benzophenol content—appropriate for low to high coefficiencies with tar acid contents as required.

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Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and Industrial) . . . Solvent Naphtha (Including High Flash) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Sulphur Recovery Apparatus . . . Phenol Removal Apparatus . . . By-Product Recovery Apparatus . . . Fast's Self-aligning Couplings . . . Piston Rings . . . Valves . . . Pressure-treated Lumber

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ANIMAL DIPS
INEXPENSIVE DISINFECTANTS
FLOTATION PROCESSES
INSECTICIDES

TAR ACIDS
Phenol • Cresol
Cresylic Acid

TAR ACID OILS

Coaltar Chemicals

Other Intermediates

—*Continued from page 29*

tered market for necessary replacements. Quotations lacked any change.

Paranitrophenol. — New business continued light. Prices unchanged.

Paranitrotoluene.—Market received moderate support from regular consumers. No change occurred in the quotations.

Paratoluidin.—Moderate buying. Prices were in conformity with those prevailing previously.

Phthalic Anhydride.—Spot and contract withdrawals moderately active. There was nothing new to divulge in the prices.

Thiocarbanilide.—Moderate inquiry. Prices in conformity with those prevailing previously.

Toluidin.—Withdrawals steady from regular consuming channels. Market position continued favorable, and prices were well sustained.

Xylidin.—Interest steady for necessary replacements. Prices without alteration.

Coaltar Colors

Inquiries reached the market steadily, however, buying was usually moderate. Broader operations in some divisions of the textile industry, particularly the woolen industry, as the result of government purchases was encouraging. Domestic business was making a favorable comparison with a year ago, while exports continued to run considerably ahead. Prices were well sustained in all divisions, and the tone was steady to firm.

Mexico Values Oil Lands at $34,546,000

Mexico City, Aug. 20, 1940

Two experts appointed by the Mexican courts, one representing the government and the other representing foreign oil companies, today handed in their evaluation of expropriated oil properties. According to the government expert, Mexico owes all the foreign companies excluding the Sinclair interest, who negotiated a separate arrangement, a net sum of about $34,546,000. The expert for the companies judged the payment at $36,258,000. Claims against the companies would bring the net payments down to $11,000,000, as figured by the government expert, or to $13,000,000, according to the other.

For purposes of comparison, the Minister of Economy in 1930 estimated the investment of foreign oil companies at a minimum of $400,000,000. The commission appointed shortly before the expropriation to investigate the companies' ability to increase wages set their yearly profit at over $15,000,000. Assuming a fair purchase price to be ten years profits, this would give a value of $150,000,000.

Meanwhile, reorganization of the industry, burdened with a 68,000,000 peso deficit, has been undertaken by a special committee composed of representatives of the Petroleum Workers' Union and the industry's administration. Under direct orders of President Cardenas, the committee must institute within three months drastic economies for liquidating the deficit and for establishing the industry on a "sound" financial footing.

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Obituaries

Andrew R. Dole

Andrew R. Dole, chairman of the board of the Hooker Glass & Paint Manufacturing Company, Chicago, died in his home in Oak Park, Ill., August 19. He was eighty-two years of age.

Born in Limerick, Maine, Mr. Dole joined the Hooker organization in 1879. In 1906 he was made head of the glass department and vice-president of the company. In 1928 Mr. Dole was elected president of the Hooker Glass & Paint Manufacturing Co., and ten years later, in 1938, he resigned the presidency to become the chairman of the board.

Warren D. Ellis

Warren D. Ellis, former president and a founder of the Valvoline Oil Company, Brooklyn, died August 22 in his home in Larchmont, N. Y. He was ninety-one years of age.

A native of Detroit, Mr. Ellis came to New York in 1860, and eight years later founded the firm of Leonard & Ellis, agent for the Continuous Oil Refining Company, Binghamton, N. Y. In 1873 the company leased a refinery in Brooklyn and began selling their own products under the name of "Valvoline". Mr. Ellis bought out his partner in 1901 and founded the Valvoline Oil Company. He sold his interest in the firm in 1929 and retired from active business.

Morris George Heins, Sr

Morris George Heins, sr., general manager and treasurer of the True-Tagg Paint Company, Memphis, Tenn., died in a hospital in that city August 17. He was sixty-one years of age.

A native of Philadelphia, Mr. Heins, as a boy of nineteen married and moved to Birmingham, Ala., to start work as a clerk in a paint store. Three years later he purchased an interest in the store, subsequently selling his holdings and forming a new firm. He was named Southern branch manager for the Acme White Lead & Color Works, following purchase by that company of his business. In 1919 Mr. Heins moved back to Philadelphia to take over the managership of the Mound City Paint & Color Works. He remained there until 1922, when he moved to Memphis to become associated with the True-Tagg company. He was a former president of the Memphis Paint, Varnish and Lacquer Association.

Surviving is his son, Morris G. Heins, Jr.

Max Pick

Max Pick, a member of the directorate and treasurer of L. Sonneborn Sons, Inc., white oils and petrolatums, this city, died in his Summer home in Easton, Conn., August 20, following an illness of two weeks. He was sixty-two years of age.

Mr. Pick had been affiliated with the Sonneborn organization since 1906. He was also treasurer of the various affiliates of L. Sonneborn Sons, which included W. H. Daughtery & Son Refining Company, the American Oil & Disinfectant Corporation and the Franklin Creek Refining Company.

Surviving are his wife, a daughter and a son.

Edward K. Browne, managing editor of the *American Metal Market*, died August 17 in Florham Park, N. J., after an illness of two months.

William A. Burns, salesmanager for the Petrol Corporation, died August 9 in a hospital at Alhambra, near here, following an operation for an abdominal disorder. He was fifty-two years old.

Andrew R. Dole, chairman of the board of the Hooker Glass & Paint Manufacturing Company, died August 19 at Oak Park, Ill.

Dr. Frederick Ehrenfeld, head of the department of geology and mineralogy at the University of Pennsylvania died August 16 of a heart attack while vacationing near Ogunquit, Me. He was sixty-eight.

Capt. N. S. Gibble, who was in the menhaden fishing business off the Delaware coast for forty-five years until he retired thirteen years ago, died recently in a hospital in Baltimore. He was eighty years old.

Joseph Hughes, oil producer of Bolivar, N. Y., died in Long Beach, Cal., August 19 after a brief illness. He was forty-eight years of age.

John C. McNulty, father of Joseph A. and Frank B. McNulty, of Joseph A. McNulty, barytes and earth colors, 112 Liberty street, this city, died in his home in Brooklyn, August 21. He was seventy-four years of age. Also surviving are another son, Rev. Casimir McNulty, C.P.; a daughter, Sister Mary Gabriella, O.S.M., and a sister, Elizabeth T. McNulty.

Vincent M. Monahan, secretary and general manager of the Eastern Asphalt Company, died unexpectedly August 22 in Trenton, N. J. He was forty-six years old.

Elmont W. Sargent, manager of the Chicago office of Lever Brothers & Co., soap manufacturer, died August 19. He was sixty-one years old.

Mrs. Walter H. Somerset, wife of Walter H. Somerset, assistant superintendent of the Jersey City, N. J., shellac bleaching plant of the Gillespie-Rogers-Pyatt Company, this city, died August 22 after a month of illness. Her husband and a daughter survive.

William H. Spowers, retired president of the Jersey City Galvanizing Company, died August 21 at Essex Falls, N. J. He was seventy-three years old.

Charles E. Stanton-Ross, for nineteen years a traveling auditor for the Standard Oil Company of New Jersey, died in Columbia, S. C., August 20. He was sixty-one years of age.

Edward C. Uhlig, chief chemist and head of the laboratory of the Brooklyn Union Gas Company at his retirement July 1, died August 20 at his home in Queens. He was seventy-two years old.

A.C.S. Program Lists 25 Paint Research Reports

—*Continued from page 5*

and W. O. Kenyon, of the Eastman Kodak Company, Rochester, N. Y.; S. S. Epstein and Foster D. Snell, Brooklyn; B. P. Caldwell and H. F. Payne, of the Polytechnic Institute of Brooklyn; F. A. Norris, J. P. Kass and G. O. Burr, of the University of Minnesota; G. H. Young, G. W. Gerhardt, W. K. Schneider and G. W. Seagren, of the Mellon Institute of Industrial Research, Pititsburgh; T. S. Hodgins, A. G. Hovey, S. Hewett, W. R. Barrett and C. J. Meeske, of Reichhold Chemicals, Detroit; W. E. Gloor and C. B. Gilbert, of the Hercules Powder Company, Wilmington, Del.; C. S. Fuller, W. O. Baker and N. R. Pape, of the Bell Telephone Laboratories, New York; M. M. Sprung, of the General Electric Company; P. J. Flory, of the University of Cincinnati; F. H. Kienle and F. E. Petke, of the Calco Chemical Company, Bound Brook, N. J.; W. H. Carmody, of the Carmody Research Laboratories, Springfield, Ohio.

Dr. N.D. Morgan Joins Potash Institute Staff

Dr. N. D. Morgan, horticulturist at the North Louisiana Agricultural Experiment Station, has resigned to join the field staff of the American Potash Institute. In his new position he will carry on the educational program of the institute in the Southewestern States, cooperating with State and college agricultural forces, the fertilizer trade, and growers, on problems of soil management involving the efficient use of fertilizer.

Dr. Morgan goes to this work well prepared. After his graduation from the Arkansas College of Agriculture in 1930, he studied for his master's and doctor's degrees at the Iowa State College of Agriculture, where he specialized in horticulture and plant physiology and conducted the horticultural fertilizer work at one of the Iowa branch stations. For the past two years he has been located at the Louisiana branch station from which he is resigning.

With headquarters in Shreveport, La., Dr. Morgan will be available for cooperative work in Louisiana, Arkansas, Oklahoma, and Texas.

Paint, Varnish, Lacquer Materials

Pig Lead and Car Lot Prices of Lead Oxides Advanced — Zinc Oxides Active — Chemical Color Demand Improves —Casein Easier—Rosin and Turpentine Firm

An unusually strong statistical report for July and strengthening tendencies in the general market for nonferrous metals prompted an advance in pig lead quotations last week. The price of the metal had been reduced twice within three days two weeks ago and at that time observers pointed out that the reductions appeared unjustified. The return to higher quotations last week seemed to bear out this criticism, although the advance was not equal to the total of the two reductions.

Car lot prices of lead oxides were advanced in sympathy with the movement of the metal but smaller lots were unchanged. Pigments in general were moving in routine fashion. Zinc oxide activity was excellent and there was a pick-up in interest in titaniums. The demand for chemical colors was noticeably better and inquiry was improved. Casein quotations were showing signs of easing but no actual reductions were made. A firm tone continued to feature the naval stores situation. At times the trend of rosin prices was upward. There was a steady movement into consuming channels on contracts and new business was fairly active.

Metallic Lead and Zinc

Pig lead was advanced $3 per ton last week to a range of 4.90c. to 4.95c. at New York and 4.75c. at East St. Louis. Only two weeks ago the price had been reduced $5 per ton in successive cuts of $3 and $2. At that time observers had called the reductions unjustified in view of the strength of other nonferrous metals and the return to a higher quotation last week seemed to bear this out. Slab zinc markets were firm with buying normal at this time.

Lead. — Prevailing spot prices at New York, East St. Louis and London for the period from August 17 to August 23, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0475@.0480	$0.0460	.. .. ..
Monday	.0475@.0480	.0460	.. .. ..
Tuesday	.0475@.0480	.0460	.. .. ..
Wedn'sd'y	.0490@.0495	.0475	.. .. ..
Thursday	.0490@.0495	.0475	.. .. ..
Friday	.0490@.0495	.0475	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from August 17 to August 23, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0690	$0.0650	.. .. ..
Monday	.0690	.0650	.. .. ..
Tuesday	.0690	.0650	.. .. ..
Wednesday	.0690	.0650	.. .. ..
Thursday	.0690	.0650	.. .. ..
Friday	.0690	.0650	.. .. ..

* London exchange closed.

Pigments

Litharge.—Carlot price advanced 15 points per pound to 6.40c. to 6.65c.

Lithopone.—Buying interest smaller but market still satisfactory to suppliers. Price steady.

Orange Mineral.—Less carlot price unaffected by pig lead advance. Market quiet.

Red Lead.—Carlot quotations advanced 15 points to 7.40c. to 7.65c. per pound for 95 percent material; 7.65c. to 7.90c. per pound for 97 percent and 7.90c. to 8.15c. for 98 percent. Less carlot prices unchanged.

Titanium Pigments.—Buying still held to good level. Prices firm and unrevised.

White Lead.—Normal business reported. Price steady.

Zinc Oxides.—Market still very active. Shipments heavy. Prices firm and unchanged.

Price Changes

Advanced

Lead, oxides, c.l., 15 points per lb.
pig, $3 per ton
Rosin, gum, 3c. to 7c. per 100 lbs.
Turpentine, gum, ¼c. per gal.
Turpentine, s.d., 1c. per gal.

Reduced

None.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.2	126.2	126.2	131.2

Market news that may have developed after this report was sent to press will be found on page 4.

Fillers and Extenders

Asbestos.—Routine and firm.

Barytes.—Movement into consumption normal. Prices firm.

Charcoal.—Sharp advance in price of softwood granular material in various sections of the country two weeks ago failed to influence market conditions last week. Demand routine.

Graphite.—Little of new interest. Demand fairly good. Price steady and unchanged.

Gypsum.—Routine and firm.

Talc.—Call for material was fair last week. Shipments were regular although not of large volume. Prices steady.

Whiting.—Seasonal movement of stocks reported. Prices firm.

Dry Colors

Carbon Black.—Ordering during the week showed some improvement. Consumers apparently were replenishing supplies, but orders on the whole were not large in volume. Shipments were regular. Prices firm and unchanged.

Carmine No. 40.—Seasonal movement of stocks reported. Shipments light. Price firm.

Iron Blues.—The undertone of the market was firm with a pickup in buying interest reported. Shipments were fairly heavy. Inquiry was better. Prices firm and unchanged.

Red Oxide.—Routine and firm. Exports of ground red oxide of iron from Spain to the United States totaled 2,104,703 pounds in June, compared with 579,360 pounds shipped the previous month. Exports for the first half of 1940 totaled 6,163,873 pounds. The unusually large shipments in June were due to the fear that the Eu-

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Production Clubs, Oct. 28-30, Washington.
Paint, Varnish and Lacquer, Oct. 30-Nov. 1, Washington.

Are You Having Any Fun...or
is the oil situation taking the joy out of life?

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ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
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• CHICAGO
• ST. LOUIS
• KANSAS CITY
• DES MOINES
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ropean war might prevent such traffic in the near future.

Mercuric Oxides.—Prices were maintained at previous levels, although indications were that any further weakening in the metal price would be reflected in the quotations for these derivatives. Demand light.

Ocher.—Little of new interest. Demand fairly good. Prices firm.

Sienna.—Market normal for this time of year. Prices firm and unchanged.

Umber.—Routine and firm.

Vermilion.—Suppliers continued to adhere to previous quotations but the belief was expressed that the price would be lowered if quicksilver showed any further downward tendencies.

Driers

Shipments of palmitates and stearates were somewhat heavier and more regular last week. Spot demand was light but there was a pick-up in inquiry for future delivery. All prices were firm and unchanged.

Naval Stores

A firm tone continued to prevail much of the time last week in Southern and local markets for naval stores. Some grades of rosin still had an upward trend though changes in prices were narrower than in recent preceding weeks. As compared with the prices prevailing at the start of the upward movement all description showed substantial gains. The advance failed to bring about any increase in offerings. On the contrary supplies of some grades showed a decrease last week. Recepits were moderate. There were reports of a steady movement of both rosin and turpentine in the South into consuming channels in various industries on contracts and new business was also fairly active. It was reported that a conference of representatives of the naval stores industry and government officials will be held at Washington shortly to discuss conservation and loan plans for next season.

According to consular advices from Durango, Mexico, production in July was 155 metric tons of rosin and 12,000 gallons of turpentine. Stocks there July 31 were estimated at 451 metric tons of rosin and 24,500 gallons of turpentine.

Turpentine.—The local market had a firm tone in company with the primary center. There was a fairly steady demand for small or moderate lots for prompt delivery.

SAVANNAH, Aug. 23.—Following is a record of the turpentine market for the week:—

	Gallons—Cents.	Gallons—Sales.	Barrels—Receipts.	Barrels—Shipments.	Barrels—On hand.
*Saturday	..	...	...	...	.....
Monday	23¼	2,400	749	259	14,260
Tuesday	23¼	5,000	263	...	14,523
Wednesday	23¼	1,800	242	...	14,765
Thursday	23¼	1,200	303	...	15,068
Friday	23½	1,700	131	...	15,199

* No trading.

JACKSONVILLE, Aug. 21.—Turpentine receipts 630 barrels; shipments 593; stock 39,383.

PENSACOLA, Aug. 21.—Turpentine receipts 437 barrels; shipments 124; stock 11,016.

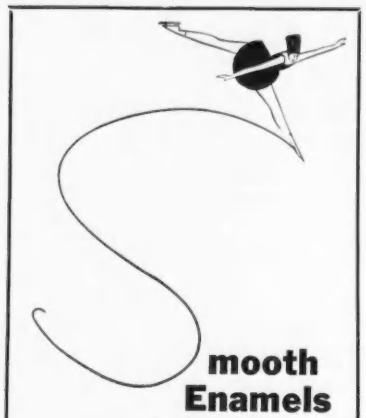
Markets at Other Centers

Chicago—Aug. 23

Turpentine continues somewhat slow. Five-drum lots, 36c. per gallon; five wood barrels; 41c.; single drums, 39c.; single barrels, 44c.

LONDON, Aug. 23.—Turpentine, 53s. per 112 pounds.

Rosin.—The market here retained a firm tone as the trend of some grades in the South continued upward. Business lacked snap but there were re-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Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
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KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents In Principal Cities
Distillers of Coal Tar Products

ports of a fairly active request for moderate lots.

SAVANNAH, Aug. 23.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted—				
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	$1.15	$1.15	$1.15	$1.15	$1.15	$1.15
D	1.33	1.33	1.33	1.33	1.33	1.33
E	1.45	1.45	1.45	1.45	1.45	1.47
F	1.69	1.69	1.69	1.70	1.72	
G	1.76	1.78	1.78	1.79	1.79	
H	1.76	1.78	1.78	1.79	1.79	
I	1.76	1.78	1.78	1.79	1.79	
K	1.76	1.78	1.78	1.79	1.79	
M	1.80	1.82	1.82	1.83	1.83	
N	1.97	1.97	1.97	1.98	1.98	
WG	2.22	2.25	2.26	2.27	2.27	
WW	2.38	2.38	2.42	2.43	2.43	
X	2.40	2.40	2.42	2.43	2.43	
	Barrels				
Sales	151	75	152	131	41	
Receipts	2,149	2,812	1,043	497	1,012	
Ship'ts	518	5,148	10	...	514	
Stocks	...	...	...	...	163,519	

* No trading.

JACKSONVILLE, Aug. 21.—Rosin receipts 4,791 barrels; shipments 4,375; stock 310,729.

PENSACOLA, Aug. 17.—Rosin receipts 1,324 barrels; shipments 570; stock 47,960.

Books You Can Use

Paint Driers

A Review of Driers and Drying: By E. F. Bennett. Cloth; 90 pages, 5¼ by 9 inches. London: Paint Technology. Three shillings, 6 pence, net.

This volume gathers together the many loose ends of data developed during many years by investigators in all parts of the world relative to the basic principles of the phenomena of the drying of oils, and the effect thereon of agents which accelerate such drying. While concise, it is also complete in its treatment, and affords a convenient means of following progress of the subject to the present time.

In its text the book starts out with a comprehensive review of the oxidation and drying of oils. Subsequent sections elaborate on this review and discuss film structure, driers, the constitution of varnishes, and the influence of pigments on the vehicle. Illustrations amplify the text matter, and detailed indexing as to author as well as subject complete the work.

Paint Clinic Organized By American-Marietta Co.

The Industrial Paint Clinic, a consultation service for the solution of industrial maintenance paint problems, has been founded by the American-Marietta Company. Industrialists, who are puzzled by painting difficulties, are invited to utilize the free services of the clinic located in 43 East Ohio street, Chicago.

The clinic is also distributing the "Maintenance Painting Handbook," a 128-page compendium of solutions to difficult industrial painting problems. This handbook is said to represent the accumulation of reports and records of technical paint questions extending over a period of twenty-seven years.

N.P.V.L.A. Issues Yearbook

The National Paint, Varnish and Lacquer Association has released a 1940 yearbook in which are presented summaries of the proceedings of the annual conventions held by the organization since 1937. In addition to its comprehensive content of convention activities, the volume describes the new home of the association at 1500 Rhode Island avenue, N.W., Washington, D. C.; reviews its historical background, indicates its past and present officers; and contains a complete list of its members.

Aluminum Ore Co. Plans 50% Increase in Output

Mobile, Ala., Aug. 20, 1940

The Aluminum Ore Company, subsidiary of the Aluminum Company of America, will increase production of alumina by 50 percent by expanding capacity of its plant in this city. Present capacity is 1,000,000 pounds daily. Expansion improvements include sixteen precipitator tanks, one calcining kiln and an addition to the bauxite storage building.

Markets at Other Centers

Chicago—Aug. 23

Rosin transactions are along limited lines. B grade, $2.45 per hundred pounds net; G grade, $3.08; M grade, $3.12; W.W. grade, $3.68.

LONDON, Aug. 23.—Rosin, WW., 32s. 6d. per cwt.

Other Naval Stores

Pine Oil.—Increased request for moderate quantities for prompt shipment. Market steady.

Pitch.—Fair demand on spot. Stocks reported light. Tone firm.

Rosin Oil.—Inquiries received in somewhat larger volume. Market firm.

Tar.—Steady movement on contracts and transient orders. Price steady.

Lacquer Materials

Transactions in the market for lacquer materials and solvents were fairly steady last week. Shipments of most items were moderate, and sellers experienced no pressure in making deliveries. However, the position of important chemicals was regarded as entirely satisfactory. Quotations lacked any fluctuation, and the tone was steady to firm. Because of the earlier changeover to new models, automobile production increased sharply last week.

Acetone. — Shipments moderate. Market position regarded satisfactory, with prices unchanged.

Alcohol, Butyl.—No change in prices, with takings held close to production needs.

Butyl Acetate.—Interest remained fairly steady. Pricewise no new developments took place.

Cellulose Acetate.—Volume continued moderate. Nothing new occurred in the prices.

Diamyl Phthalate. — Transactions routine. Quotations steady to firm.

Dichlorethyl Ether.—Firm price tone. Shipments moderately active.

Ethyl Acetate.—Replacements made their appearance in fair volume. Prices without change.

Isopropyl Acetate.—New business reported at fair levels. Pricewise a firm tone predominated.

Tricresyl Phosphate.—Market position underwent little change. Purchases fairly steady, and price tone steady to firm.

Shellac

Improvement in demand for shellac was reported in local circles during the past week. The gain in trade was conservative but was clearly evident and resulted in a substantial firming of quotations in the local market. Prices here were considered to be favorable and strictly in line with the well maintained shipment quotations cabled from Calcutta throughout the week under review.

Bronze Powders

Reductions in the prices for aluminum pastes and standard varnish powder failed to prompt any increased interest in offerings last week. Buying activity was still satisfactory, however, and prices were firm.

Varnish Gums

The market for natural gums continued to be characterized by quiet last week. Spot demand was at a low ebb although some shipments were made to meet needed requirements of individual consumers. All prices were firm and unchanged. A pick-up in business is expected next month.

Synthetic Resins

Contract deliveries of ester gum were normal and regular. Spot demand was small. Other resins were moving in satisfactory manner. All prices were firm and unchanged.

Glues and Binders

Casein.—Prices for domestic grades were slightly easier but no actual reductions were made. Demand was lighter. Argentine material was firm and unchanged.

Glues.—Hide bone glues were moving well and prices were firm.

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Trade Ass'ns Must Know 'Trust' Laws

—Continued from page 3

formed sources or through purported scientific, but, in fact, misleading demonstrations or tests.

Widespread threats to the trade of suits for patent infringement arising from the sale of alleged infringing products of competitors, such threats not being made in good faith, but for the purpose of intimidating the trade and hindering or stifling competition, and claiming and asserting, without justification, exclusive rights in public names of unpatented products.

Trade boycotts or combinations of traders to prevent certain wholesale or retail dealers or certain classes of such dealers from procuring goods at the same terms accorded to the boycotters or conspirators, or to coerce the trade policy of their competitors or of manufacturers from whom they buy.

Passing off goods or articles for well and favorably known products of competitors through appropriation or simulation of such competitors' trade names, labels, dress of goods, etc., with the capacity and tendency unfairly to divert trade from the competitors, and/or with the effect of so doing to their prejudice and injury and that of the public.

Selling rebuilt, second-hand, renovated, or old products or articles made from used or second-hand materials as and for new.

Paying excessive prices for supplies for the purpose of buying up same and hampering or eliminating competition.

Using concealed subsidiaries, ostensibly independent, to obtain competitive business otherwise unavailable, and making use of false and misleading representations schemes, and practices to secure representatives and make contacts.

Using merchandising schemes based on a lot or chance.

Cooperative schemes and practices for compelling wholesalers and retailers to maintain resale prices fixed by a manufacturer or distributor for resale of his product (notwithstanding the Miller-Tydings act and the State "Fair Trade Acts").

Combinations or agreements of competitors to enhance prices, maintain prices, bring about substantial uniformity in prices or to divide territory or business, to cut off competitors' sources of supply, or to close markets to competitors, or otherwise restrain or hinder free and fair competitor.

Various schemes to create the impression in the mind of the prospective customer that he or she is being offered an opportunity to make a purchase under unusually favorable conditions when such is not the case, with capacity and tendency to mislead and deceive many of the purchasing public into buying products involved in such erroneous belief, and/or with the effect so to do, to the injury and prejudice of the public and of competitors, such schemes including:—

(a) Sales plans in which the seller's usual price is falsely represented as a special reduced price made available on some pretext for a limited time or to a limited class only, or involving false claim of special terms, equipment, or other privileges or advantages.

(b) The use of the "free goods" or service device to create the false impression that something is actually being thrown in without charge, when, as a matter of fact, it is fully covered by the amount exacted in the transaction as a whole.

(c) Use of misleading trade-names calculated to create the impression that a dealer is a manufacturer or grower, importer, etc., selling directly to the consumer with resultant savings.

(d) Use of pretended, exaggerated retail prices in connection with or upon the containers of commodities intended to be sold as bargains at lower figures.

(e) Use of false or misleading representation that article offered has been rejected as nonstandard or is, for some other special and unusual reason, offered at an exceptionally favorable, or other than its normal, price.

Imitating or using standard containers customarily associated in the mind of the general purchasing public with standard weights or quantities of the product therein contained, to sell the public such commodity in weights or quantities less than the aforementioned standards, with capacity and tendency to deceive the purchasing public into believing that they are purchasing the quantities generally associated with the standard containers involved, and/or with the effect of so doing, and with tendency to divert trade from and otherwise injure the business of competitors who do not indulge in such practices and/or with the effect of so doing, to the injury of such competitors and to the prejudice of the public.

Concealing business identity in connection with the marketing of one's product, or misrepresenting the seller's relation to others; for example, claiming falsely to be the agent or employee of some other concern or failing to disclose the termination of such a relationship in soliciting customers of such concerns, and the like.

Misrepresenting in various ways the necessity or desirability or the advantages of the prospective customer of dealing with the seller, with the capacity and tendency to mislead and deceive many among the consuming public into dealing with the person or concern so misrepresenting, in reliance upon such supposed advantages, and to induce their purchases thereby, and/or with the effect of so doing, to the injury and prejudice of the public and of competitors, such as:—

(a) Misrepresenting seller's alleged advantages of location or size, branches, domestic or foreign, dealers, and the like.

(b) Making false claim of being the authorized distributor of some concern, or of being successor thereto or connected therewith.

(c) Alleged endorsement of a concern or product by the government or by nationally known business organizations.

(d) False claim by a dealer in domestic products of being an importer, or by a dealer of being a manufacturer, grower or nursery, or by a manufacturer of some product of being also the manufacturer of the raw material entering into the product.

(e) Claiming to be a manufacturer's representative and outlet for surplus stock sold at a sacrifice, and the like, when such is not the fact.

(f) Representing that the seller is a wholesale dealer, grower, producer, or manufacturer, when in fact such representation is false.

(g) Claiming falsely or misleadingly patent, trademark, or other special and exclusive rights.

Use by business concerns associated as trade organizations or otherwise of methods which result, or are calculated to result, in the observance of uniform prices or practices for the products dealt in by them, with consequent restraint or elimination of competition, such as use of various kinds of so-called "standard-cost systems," price lists, or guides, exchange of trade information, and the like.

Obtaining business through undertakings not carried out and through deceptive, dishonest and oppressive devices calculated to entrap and coerce the customer or prospective customer, with the result of deceiving the purchasing public and inducing purchases by many thereof, and of diverting and tending to divert trade from competitors who do not engage in such false, misleading, and fraudulent representations, all to the prejudice and injury of the public and competitors, such practies including:—

(a) Obtaining by deceit prospective customer's signature to a contract and promissory note represented as simply an order on approval.

(b) Obtaining agents to distribute the seller's products through promising to refund the money paid by them should the product prove unsatisfactory, and through other undertakings not performed.

(c) Enforcing payments from purchases in excess of contract terms, and enforcing the printed terms of purchase contracts, notwithstanding agents' alterations therein.

Giving products misleading names so as to give them a value to the purchasing public or to a part thereof which they would not otherwise possess, with the capacity and tendency to mislead the public into purchasing the products concerned in the erroneous belief thereby induced, and with the tendency to divert and/or with the effect of diverting business from and otherwise injuring and prejudicing competitors who do not engage in such practices, all to the prejudice of the public and of competitors, such as names implying falsely that—

(a) The particular products so named were made for the government or in accordance with its specifications and of corresponding quality, or are connected with it in some way, or in some way have been passed upon, inspected, underwritten, or endorsed by it; or

(b) They are composed in whole or in part of ingredients or materials, respectively, contained only to a limited extent or not at all; or

(c) They were made in or came from some locality famous for the quality of such porducts; or

(d) They were made by some well and favorably known process, when as a matter of fact they were only made in imitation of and by a substitute for such process; or

(e) They have been inspected, passed, or approved after meeting the tests of some official organization charged with the duty of making such tests expertly, disinterestedly, or giving such approval; or

(f) They were made under conditions or circumstances considered of importance by a substantial part of the general purchasing public; or

(g) They were made in a country, place, or city considered of importance in connection with the public taste, preference or prejudice.

Selling below cost, with the intent and effect of hindering, stifling, and suppressing competition.

Dealing unfairly and dishonestly with foreign purchasers and thereby discrediting American exporters generally, with the effect of bringing discredit and loss of business to all manufacturers and business concerns engaged in and/or seeking to engage in expert trade, and with the capacity and tendency to do so, to the injury and prejudice of the public and of the offending concerns' export-trade competitors.

Coercing and enforcing uneconomic and monopolistic reciprocal dealing and entering into contracts in restraint of trade whereby foreign corporations agree not to export certain products into the United States in consideration of a domestic company's refusal to export the same commodity or sell to anyone other than those who agree not to so export the same; and employing various false and misleading representations and practices to give products a standing, merit, and value to the purchasing public or a part thereof, which they would not otherwise possess, with the capacity and tendency to mislead the public into purchasing the products concerned in the erroneous beliefs thereby engendered, to the prejudice and injury of competitors and the public, such practices including:—

(a) Misrepresenting, through salesmen or otherwise, products' composition, nature, qualities, results accomplished, and the like.

(b) Claiming unique or special merit therefor, on the basis of pretended, but in fact misleading and ill-founded, demonstrations or scientific tests.

(c) Misrepresenting the history or circumstances involved in the making and offer of the products, or the opportunities brought to the buyer through purchase of the offering, or otherwise misrepresenting scientific or other extraneous but relevant facts bearing on the value thereof to the purchaser.

(d) Claiming acceptance, use, and success of product through false and misleading use of endorsements, or testimonials, or false and misleading claim thereto.

Brooklyn Polytech Offers Evening Chemistry Course

A schedule of evening courses in engineering, chemistry and physical sciences offered by the Polytechnic Institute of Brooklyn for qualified high school graduates who are currently employed during the day has been released by Dean Ernest J. Streubel, director of the evening Session. The semester will start September 23.

Role in Paints Inert Materials

—Continued from page 5

A natural outgrowth of this is the use of more extender.

Two of the most widely sold white house paints on the American market contain 22.4 percent talc, based on pigment. Other well-known brands contain 35 to 44 percent. Some authorities recommend the use of as much as 35 percent talc for maximum durability and a range of 35 to 45 percent depending on hiding requirements and the remainder of the formula. It is accepted today that pigment volume relationships have greater technical significance than weight relationships. It is worth noting, therefore, that in one practical formula containing 35 percent talc by weight, the volume is 49.4 percent, and that in another practical formula containing 22.4 percent by weight, the volume is 37 percent.

The early types of titanium pigments, unlike zinc sulphide pigments, imparted a marked fading tendency to tints. In consequence, they were seldom used in tints and, when used, the proportion was small. This fading tendency has been substantially reduced by the development of lead titanate and fade-resistant types of white and tinted titanium dioxide pigments. Many recent tint formulas contain one or more of these newer titanium pigments. In view of the excess hiding thus obtained, these formulas usually include a substantial percentage of talc.

Mica also deserves detailed consideration as an extender in house paint, especially in view of a definite, favorable influence on checking, cracking, and chalking. Because of the undesirable properties previously mentioned, the optimum amount of mica seems to be about 10 percent and the most practical range is probably 5 to 10 percent. A cost of $1.05 per solid gallon also points toward its use in small proportion, in combination with a larger amount of talc. Good results require the selection of a suitable grade of water-ground mica. Even in the small proportion mentioned, mica reduces any tendency toward cracking failure in all types of multiple pigment paints. To date, it has been most widely recommended and employed in paints made with zinc sulphide and leaded zinc oxide. It may be conveniently introduced in the form of a composite pigment containing 50 percent zinc sulphide, 40 percent talc, and 10 percent mica. One recommended house paint formula with this type of pigment calls for 6.5 percent mica and 26 percent talc, based on pigment.

It is realized that in practical paint formulation the use of extenders cannot be treated as a problem by itself, but must be considered in relation to the formula as a whole. Such a discussion, however, would be beyond the scope of this paper.

Exterior concrete and brick paints of the conventional oil type present an interesting problem in which extenders play a predominant part. One of the special requirements is resistance to alkali in concrete. It would be natural to assume that the controlling factor would be the vehicle and that pigmentation would be secondary. Both laboratory tests and practical experience demonstrate that the opposite is the case. Satisfactory alkali resistance may be obtained with a typical oil or varnish vehicle when 15 to 20 percent of the pigment is calcium sulphate, either plaster of paris or terra alba, in combination with other suitable pigments. The author is unable to offer a satisfactory explanation for this effect.

Other requirements of concrete paints are that they shall be flat and have at least a moderate degree of porosity, thus permitting breathing and escape of sealed-in moisture without blistering. An obvious means of accomplishing this is by formulating with a high pigment—vehicle volume ratio. This principle may be supplemented by the use of an extender that promotes a flat, porous film. Pumice has been used for this purpose. Diatomaceous earth extenders are recommended for this purpose and it seems that they should serve equally well, with less sacrifice of other desirable properties.

(To be continued)

Oils, Fats, and Waxes

Cottonseed Oil and Lard Futures Steadier—Tallow and Grease Down Again—Buenos Aires Flaxseed Sharply Lower—Linseed Oil Easier — Chinawood Advanced — Trade Remains Slow

An easy tone continued to prevail in the market for miscellaneous oils, fats and greases last week, although there were fewer changes in prices. The trend was still downward, however, in the absence of any broadening of trade. Cottonseed oil and lard futures displayed a steadier appearance, moderate upturns in prices being recorded during the week, but there was little change in the attitude of consumers of other oils and fats, many of whom were still disposed to purchase merely for current needs pending further developments abroad as well as in political affairs in this country.

Price Changes

Advanced

Carnauba wax, No. 3 chalky, 4c. per lb.
No. 3 N. C., 4c. per lb.
Chinawood oil, ¼c. per lb.

Reduced

Capric acid, ½c. per lb.
Cottonseed oil fatty-acid, ¼c. per lb.
Grease, ⅛c. per lb.
Linseed oil, 2-10c. per lb.
Soybean oil, ½c. to ⅝c. per lb.
Tallow, ⅛c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
94.2	**94.6**	**100.3**	**95.2**

Market news that may have developed after this report was sent to press will be found on page 4.

Chinawood Oil

The tone here continued firm. Quotations were advanced ¼c. per pound. Few transactions were reported during the week. There appeared to be little free oil in the hands of independent importers and dealers. A report from Washington stated that domestic tung trees that bore heavily in 1939, while crops on nearby trees were destroyed by frosts, are being studied with a view of breeding and inbreeding the most promising in a program to reduce if not entirely overcome losses from frost. Los Angeles reported the arrival last week of 139,780 pounds of oil from Hongkong. New York 290 tons.

SAN FRANCISCO, Aug. 20.—Moderate sales of chinawood oil at 25¾c. per pound, tankcars, f.o.b. San Francisco. Stocks small.

Markets in China

Tung oil at Hankow continued quiet during July according to a radiogram to the Commerce Department from the American Consulate General at Hankow. The only transactions reported were the domestic sale of 28 short tons and a shipment of 6 short tons by a Japanese firm to Japan. There were no known arrivals of exportable oil at Hankow during the month. Stocks July 31 estimated 2,688 short tons.

At Hongkong the tung oil market practically at standstill, as no receipts of oil entered the port from Haiphong and Kwangchowwan, according to a radiogram from the American Consulate General at Hongkong. Stocks held by independent dealers less than 150 short tons.

Vegetable Oils

Castor, Dehydrated.—Steady at decline previously noted. Fair movement on contracts and transient orders.

Coconut.—Crude steady at recent decline. Trade slow. Refined unchanged. Fair inquiry.

Corn.—Quotations on crude underwent little change. Tone easy. Offerings light.

Cottonseed.—Edible oil quotations unchanged. Somewhat better request for moderate lots.

Olive.—Stocks of denatured light and diminishing. Quotations nominal. Inquiries numerous.

Peanut.—Crude easy with competing product. Fair inquiry. Offerings light. Prices nominal.

Perilla.—Offerings light and quotations nominal. Somewhat better inquiry.

Rapeseed.—Refined oil in limited supply. Shipment offerings lacking. Market steady.

Soybean.—Easier with competing products. Quotations reduced ½c. to ¾c. Better domestic and export inquiry.

Markets at Other Centers

San Francisco, Aug. 20.—Vegetable oils ruled quiet and steady.

COCONUT.—Sellers asking 2⅜c. per pound f.o.b. Pacific Coast; best bids are 2⅛c. No business reported. Copra, 1.40c. asked, 1.35c. bid.

RAPESEED.—Argentine refined oil quoted 8.75c. per pound in tankcars, duty paid (excise tax unpaid), f.o.b. San Francisco.

WALNUT OIL.—Crude California oil quoted 7c. per pound in tankcars, f.o.b. Pacific Coast. No trading.

OITICICA.—Raw, liquid oiticica oil, 19½c. per pound, in drums, f.o.b. San Francisco.

PERILLA.—Quoted 16¼c. per pound in tankcars, duty paid, f.o.b. San Francisco.

Chicago, Aug. 23.—Vegetable oils quiet and easy.

CORN.—Crude, low acid, 5c. to 5⅛c. per pound. Refined, edible oil, 8c. to 8½c. per pound, drums, car lots.

SOYBEAN.—Crude, 3¾c. to 4⅛c. per pound.

The market for soybeans on the Chicago Board of Trade was quiet. Following is a soybean price record per bushel for the week:—

	High.	Low.	Closing Aug. 23.	Closing Aug. 16.
Cash	77	77	...	...
October	67½	67	67½	67¼
December	68¼	67⅛	68	67½

Linseed Oil

Buenos Aires flaxseed sharply lower. Domestic markets irregular. Linseed oil easier. Cake and meal quiet.

Flaxseed—DULUTH, Aug. 23.—Flaxseed receipts have not come up to expectations, owing to rains throughout Southern Minnesota and Northern Iowa. Supplies in store here jumped 194,000 bushels during the week and now total 224,000 bushels against 127,000 bushels a year ago. The week's closing price range was as follows:—

	Cash.	Sept.
Saturday	$1.54½	$1.49½
Monday	1.53½	1.49½
Tuesday	1.54½	1.50½
Wednesday	1.53	1.48½
Thursday	1.50	1.46
Friday	1.46¼	1.43¼

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	453,670	175,147	48,000	....
Since Aug. 1.	507,837	212,760	48,376	....

MINNEAPOLIS, Aug. 23.—The rush of flax continued through the week with one especially heavy day when 855,400 bushels arrived. Considering the weather the percentage of damp seed is very light, less than 10 percent. Farmers are anxious to sell because of prices being paid and the lack of red tape connected with transactions.

Trade in futures limited because shippers are selling cash flax to arrive as fast as they buy it from farmers. There is some buying in of hedges that were put out earlier in the season.

The week's closing price range was as follows:—

	Cash.	Sept.	Dec.
Saturday	$1.51½	$1.48½	$1.48½
Monday	1.50½	1.48½	1.48½
Tuesday	1.51½	1.49½	1.50
Wednesday	1.50	1.48	1.47¾
Thursday	1.47	1.45	1.46
Friday	1.43½	1.42½	1.43½

Crop movement in bushels follows:—

	Receipts 1940.	Receipts 1939.	Shipments 1940.	Shipments 1939.
This week	2,555,000	2,970,600	414,400	90,000
Since Sept. 1.	8,995,000	6,802,741	3,114,700	926,420

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

WINNIPEG, Aug. 23.—The week's closing flaxseed price range was as follows:—

	Cash.	Oct.
Saturday	$1.31	$1.32½
Monday	1.31¼	1.33
Tuesday	1.32¼	1.33¼
Wednesday	1.32⅛	1.33½
Thursday	1.33	1.33½
Friday	1.33	1.33½

BUENOS AIRES, Aug. 23.—Opening prices per bushel on September contracts were:—

	Last week.	Last Year.
Saturday	$1.16⅝	$1.13⅛
Monday	.88½	1.13⅛
Tuesday	.88½	1.13⅛
Wednesday	.84½	1.13⅜
Thursday	.80⅛	1.13½
Friday	.81⅛	1.13½

Exports
Since January 1

To—	Bushels This year.	Bushels Last year.
United States	8,668,000	10,928,000
United Kingdom	5,837,000	548,000
Continent	11,856,000	18,033,000
Orders	606,000	6,952,000
Others	727,000	2,434,000
Totals	27,694,000	38,895,000

Visible Supply

	Bushels.
Last week	5,512,000
Previous week	5,882,000
Last year	3,937,000

HULL, Aug. 23.—La Plata flaxseed quoted at £15 per long ton; Bombay, £17⅜.

Linseed Oil.—The local market had an easier tone. Trade was quieter and quotations were reduced to 7.9c. to 8.1c. per pound in tank cars. The movement to consumers and dealers on contracts previously placed apparently held up well. New business in outside markets was reported as less active. The slowing down in trade was attributed by some to a sharp fall in flaxseed prices at Buenos Aires where the official fixed minimum quotations were removed. Under date of August 16 the Argentine government estimated remaining supplies of old crop seed at 7,362,000 bushels. There were no exports of flaxseed from Argentina last week. Receipts of seed in domestic markets showed a further increase. The qual-

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RUBY OLEINE BRAND (*distilled*)
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(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)

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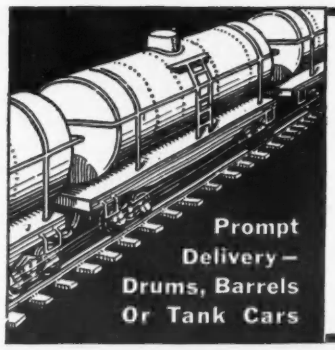

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INDEPENDENT MFG. CO.
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HYDROGENATED FATTY ACIDS (HYDREX)
Cottonseed Oil Fatty Acids
Palm Oil Fatty Acids
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Corn Oil Fatty Acids
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Glycerine - Pitch - White Oleine
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CALIFORNIA OFFICE: 5636 East 61st Street, Los Angeles
Cable Address "EPILOGUE"

ity of the arrivals was generally reported as good.

CHICAGO, Aug. 23.—Linseed oil quiet. Tankcar, 7.9c. per pound; drums, car lots, 8.5c.; drums, less car lots, 8.9c.

MINNEAPOLIS, Aug. 23.—Trade in linseed oil shrunk decidedly the past week, largely because buyers anticipated removal of the Argentine market peg and thought they could profit by delay. They came into the market again later, however, and took fair quantities for long deferred shipment. Quotations on carload lots f.o.b. Minneapolis, tankcars 7.9c. per pound, cooperage carlots 8.5c. per pound, warehouse lots 8.9c. per pound.

Shipments of oil in pounds were as follows:—

	1940.	1939.
This week.....	3,400,000	1,920,000
Since Sept. 1.....	149,620,000	76,047,332

LONDON, Aug. 23.—Linseed oil, 44s. per cwt.

Cake and Meal.—A steady tone prevailed here. Domestic business in meal quieter. Cake quiet and nominal.

MINNEAPOLIS, Aug. 23.—Linseed meal is quiet. Stocks are increasing more rapidly.

Quotations, carload lots, f.o.b. Minneapolis, 100 pound sacks, nominally $24 per ton.

Shipments of meal in pounds were as follows:—

	1940.	1939.
This week.....	5,680,000	4,760,000
Since Sept. 1.....	194,050,000	104,800,650

SAN FRANCISCO, Aug. 20.—Linseed oil quiet. Tankcars 7.6c. per pound; drum, car lots ex mill, 8.0c.; small lots, ex warehouse, 8.6c.

Cottonseed Oil

Refined oil futures steadier here. Southern markets for cottonseed products steady.

Cottonseed Oil.—The market here for refined oil futures had a steadier undertone last week, the trend of prices being upward at times although changes were comparatively small. Refiners were credited with purchases. Local and other shorts covered. Offerings of contracts were lighter. There was considerable switching from near to distant positions. September was switched to December at 13 points difference, to January at 17 points and to March at 24 to 25 points. October was switched to March at 28 points difference; December to March at 11 points. August 28 will be the first September notice day.

Southern markets were generally quiet with offerings light and quotations nominal. Soybean oil was available at further concessions. A somewhat better inquiry was reported for cash refined cottonseed oil. Tallow again declined. Receipts of hogs were comparatively liberal, arrivals in the principal western centers for four days of the week aggregating 200,000 head against 165,000 head in the same time last season. The weight of the hogs received at Chicago during the week ended August 17 averaged 229 pounds against 226 pounds in the previous week. Stocks of lard in Chicago decreased 2,108,675 pounds during the first half of August, leaving a total on August 15 of 193,796,048 pounds against 83,276,450 pounds last year.

The weekly government crop report stated that cotton improved in the Western portions of the belt but that excessive moisture was detrimental in the East. Picking advanced rapidly.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from August 19 to August 23, inclusive, consisted of 591 contracts, a total of 35,460,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks—High.	Low.	Close.
January	5.73	5.53	5.67@5.69
March	5.82	5.61	5.76@5.77
September	5.58	5.36	5.52@5.54
October	5.59	5.39	5.55@5.57
December	5.69	5.50	5.65 sale
Crude, Southeast, .04½ nom.			

Chicago, Aug. 23.—Refined cottonseed edible oil, 8¼c. to 8¾c. per pound, drums, car lots; and 8¾c. to 9¼c., drums, less than car lots.

Hull, Aug. 23.—Cottonseed oil, refined, 35s. 7½d. per 12 pounds; crude, Egyptian, 31s. 1½d.

Cake and Meal.—Southern markets had a steady tone. Offerings continued light. Better inquiry for meal in some sections.

Markets at Other Centers

Atlanta, Aug. 21.—Spot, 8% cottonseed meal, $27.50 ton; September, $22.50.

Memphis, Aug. 23.—Old crop crude cottonseed oil stocks exhausted. Today 4⅝c. bid, immediate and prompt shipment. Cotton crop this section improving rapidly but still three weeks late. First bale new crop received August 22; last year August 7. Mississippi mills report no new seed expected until after September 10. Memphis mills say will not start crushing till late September. Reported seed in Texas advanced to $22 per ton against $18 recently. Weather here clear and cool. Old crop cottonseed meal $28 per ton; September delivery $23, Memphis basis. Old crop hulls $10. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Aug. 15.	Aug. 22.
September	$21.50@21.60	$22.30@22.65
October	20.35@20.65	20.85@21.15
December	20.00@——	20.45@——
January	19.85@——	20.25@20.45

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Fatty Acids

Capric Acid.—Market easier. Supplies available at concessions of ½c. to ¾c. per pound. Demand fair.

Coconut Oil.—Somewhat better request for this fatty acid. Quotations shaded ½c.

Myristic Acid.—Quotations ranged from 16c. per pound upward. Fair demand.

Soybean Oil.—Lower with crude material. Prices reduced 1c. per pound. Trade somewhat better.

Stearic Acid.—Tallow again lower. Stearic acid easy. Fair contract movement.

Chicago—Aug. 23

Fatty acids in fair demand. Tone easy.

RED OIL.—Distilled or saponified, 6¼c. to 7¼c. per pound.

STEARIC ACID.—Distilled, single press, 8½c. to 9½c. per pound; double press, 9c. to 10c.; triple press, 11¾c. to 12¾c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 8¼c. to 8¾c. per pound, tankcar; 8¾c. to 9¼c., drums, car lots; coconut oil, acidulated, 9¼c. to 9¾c. per pound, tankcar; cottonseed oil, double distilled, 7¾c. to 8¼c. per pound, tankcar; cottonseed foots, 50 percent basis, 1⅜c. to 1⅝c.

Fish Oils

Menhaden.—Refined oil demand generally limited to comparatively small quantities. Tone easy.

Sardine.—Consumers of refined oil purchasing for current needs only. Market easy.

Whale.—Quotations on refined oil generally held at former levels. Trade quiet.

Markets at Other Centers

Baltimore, Aug. 21.—Crude menhaden oil reported to have been offered at 18c. per gallon, if-and-when made, without takers. Fishing reports poor, owing to storms.

San Francisco, Aug. 20.—Oregon-Washington pilchard oil sold in a small way at 20c. per gallon. Practically no fish caught. California sardine oil futures quoted 22½c. per gallon. Still no sign of agreement between fishermen and plant owners on price of fish for this year.

Fats and Greases

Grease.—Easier with other commodities. Quotations shaded ⅛c. Trade quiet.

CHICAGO, Aug. 23.—Choice white grease, 2¾c. to 3c. per pound; yellow, 2½c. to 2⅝c.

Lard.—Domestic trade is somewhat more active. Export movement light. Prices irregular.

CHICAGO, Aug. 23.—Following is a lard price record for 100 pounds for the week:—

	High.	Low.	Closing Aug. 23.	Closing Aug. 16.
Cash	$4.85	$4.70	$4.75	$4.75
October	5.00	4.80	4.87	4.67
December ...	5.17	5.00	5.12	4.87

Stearin.—Trade remained quiet. Market easy. Quotations nominal.

CHICAGO, Aug. 23.—Prime oleo stearin, barrels, 5c. to 5¼c. per pound; lard stearin, 5½c. to 5¾c.

Tallow.—Market easier. Sales of extra at 3⅜c., a decline of ⅛c.

CHICAGO, Aug. 23.—Edible tallow, tierces, 3¼c. to 3½c. per pound; inedible, prime, 3⅛c. to 3⅜c.; special, 2⅞c. to 3c.

There was no trading in tallow futures on the New York Produce Exchange from August 19 to August 23, inclusive. Following is a price record for the week:—

	Cents per pound in tanks—High.	Low.	Close.
October	...	...	3.30 nom.
December	...	...	3.40 nom.

Animal Oils

Lard.—Domestic trade quiet. Fair export movement. Market easy.

CHICAGO, Aug. 23.—No. 1 lard oil, 7¾c. to 8c. per pound.

Neatsfoot.—Purchasing generally confined to comparatively small lots.

Oleo.—Fair movement of spot material to local and outside buyers. Tone steady.

CHICAGO, Aug. 23.—Extra oleo oil, 7c. to 7¼c. per pound.

Tallow.—Trade remained quiet. Tone easy.

CHICAGO, Aug. 23.—Acidless tallow oil, 7c. to 7¼c. per pound.

Soybean Expansion Use Discussed by Association

—Continued from page 4

tional 100,000,000 pounds were used in other food products, he added; while paint, varnish, and linoleum took about 28,000,000 pounds.

In other discussions presented during the convention, E. F. Johnson, of the Ralston Purina Company, reviewed the domestic soybean situation; R. A. Boyer, of the engineering laboratory of the Ford Motor Company, spoke on the place of the soybean in the chemurgic scheme; W. L. Burlison, of the department of agronomy of the University of Illinois, discussed the future of soybean research; Dr. R. T. Milner, of the United States Regional Soybean Laboratory described the activities at that establishment; and M. F. Taggert, director of research of the O'Brien Varnish Company, related the progress made in the use of soybean oil in protective coatings.

Soybean Oil Futures Mart Opens Here September 3

Trading in crude soybean oil for future delivery will be inaugurated on the New York Produce Exchange, September 3. Trading hours will be from 10 a.m. to 2.35 p.m., with a mid-day call at 12:30 p.m. On Saturdays trading hours will be from 10 a.m. to 11:35 a.m. Trading months at the start of operations will be October and the seven succeeding months. Quotations will be in cents and hundredths of a cent per pound. The contract is for 60,000 pounds of loose prime crude soybean oil produced from domestic soybeans. Tenders on contracts must be made in warehouses licensed and bonded by the exchange. These warehouses are located at Decatur and Chicago, Ill., Louisville, Ky., and Elmhurst, N. Y.

Rheem Co. Building Plant In Baltimore Area

The Rheem Manufacturing Company, manufacturer of steel barrels and drums, this city, has started erection of a plant on the outskirts of Baltimore. The initial unit will contain 40,000 square feet of floor space and will be used largely for metal stampings.

Waxes

Bees.—Steady. In fair but not expanded demand. Crude wax shows strength. Prices were maintained on bleached and refined yellow items.

Candelilla.—Dull. Prices steady. Consumer interest restricted.

Carnauba.—Advance in No. 3 grades extended. Chalky, ton lots, 50c. to 51c.; 5-bag lots, 50½c. to 51½c.; 1-bag lots, 51c. to 52c.; No. 3 North Country, ton lots, 51c. to 52c.; 5-bag lots, 51½c. to 52½c.; 1-bag lots, 52c. to 53c.; refined, 54c. to 55c.; No. 2 North Country, 54c. to 55c. Shorts covering. Some importers expect primary market strength to subside. Consider advance over-extended. Brazil has lost many foreign markets. Brazilian exports by countries of purchase in 1939 indicate distribution of foreign trade:

	Pounds.
Germany	127,823
Argentina	45,090
Australia	42,744
Canada	44,875
Chile	2,040
Denmark	10,600
United States.....	7,385,306
France	281,951
Great Britain.....	1,668,971
Netherlands	36,104
Italy	22,804
Japan	81,709
Poland	43,929
Portugal	17,322
Sweden	65,053
Belgium	41,847
Union of South Africa.....	37,967
Uruguay	6,509
All others.....	37,238
Total	10,000,972

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TAPPI Reviews Research Progress

—Continued from page 5

plete digestion the chips were presteamed for one and one-half hours and the cold nitric acid was then added to the steamed chips. The chips were then digested for varying periods of time, with the optimum yield occurring at six hours. The nitric digestion was followed by a sodium hydroxide digestion with 1.5 percent NaOH for one hour. The resultant pulp was washed and tested.

Yield of pulp so cooked compares with yields from hemlock and spruce by usual methods. The quality of the pulp was very good. The consumption of nitric acid under optimum conditions was 21.2 percent on the basis on the moisture-free wood. The recovery of oxalic, formic and acetic acids may have economic importance. The method involves no waste disposal problem.

B. W. Rowland, of the Institute of Paper Chemistry, Appleton, Wis., in discussing starch in the use of papermaking, attributed the growing consumption of starch in the manufacture of paper to (a) improvement in starch technology, (b) new uses for starch in papermaking, (c) the advantage of a control somewhat independent of furnish conditions for special properties and for safer manufacturing tolerances, and (d) better control in the application of starch in paper mills.

A. J. Bailey, of the University of Washington, gave a brief survey of the chemistry of butanol lignin, including its physical appearance, solubility, molecular weight, termal behavior, salt formation, and carbon and hydrogen content.

L. A. Hulsart, of the Babcox & Wilcox Company, New York, in an address on "Bark Burning Furnaces for the Pulp and Paper Industries" said that consideration has been given to the possibility of drying wet wood fuels by utilizing the stack gases. A detail study of the money value of the British thermal units available in the flue gases of modern equipment indicated that there was very little margin of profit available.

F. E. Brauns, of the Institute of Paper Chemistry, discussed the recent advances in the chemistry of lignin.

Mercer Awards Won By Hirshberg and Cole

Richard Hirshberg has been awarded the Senior Mercer Award for an esasy on "Corporate Reorganization and the Chandler Act." The junior award was made to Virginia Cole for an essay on "The Danube Dilemma." Mr. Hirshberg was the junior winner in last year's contest.

These awards represent approximately a semester's scholarship in Oberlin College given each year by Colonel A. L. Mercer, president of the Cowles Detergent Company, Cleveland. The senior award is made to the individual writing the best essay on some economic subject in connection with economic stabilization. The junior award is made to the junior writing the best essay on some economic subject having to do with world peace.

Carbon Black Plant Built Recently in Formosa

During the past several years the Japanese government has conducted experiments for the production of carbon black. Five small plants were erected in Formosa, but total output has been insufficient to supply the large domestic demand. Recently the Natural Gas Institute of the Formosa government-general completed a pilot plant in Formosa for the production of carbon black.

The plant was built by the Mitsubishi Trading Company at a cost of 480,000 yen, including the cost of equipment imported from the United States. A thermal cracking process developed by the institute is to be used which differs in many respects from the processes utilized in the United States. Japan still imports 80 percent of her carbon black requirements.

Temple University, School of Pharmacy, has appointed Dr. Fritz O. Laquer research professor of biochemistry.

Harry Pope, of the New York sales department of the Archer-Daniels-Midland Co., linseed crusher, Minneapolis, will return today from two weeks' vacation at Manasquan, N. J.

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(Continued from August 19 issue)

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Glycol monoethylether
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Hexalin
Hexane
Isopropyl acetate
Methyl acetate
Methylcellosolve
Methylcyclohexanol
Methylcyclohexanol phthalate
Methylcyclohexanone
Petroleum ether
Propenylguaethol
Propylene dichloride
Propyleneglycol
Tetrahydronaphthalene
Tetralin
Toluene
Trichloroethylene
Triclene
Triethyleneglycol ethylether

Stabilizers for Halogenated Rubber Derivatives Used in Treating Paper

Cyclohexylaminoacetonitrile
Cyclohexylaminoformaldehyde
Dicyclohexylamine
Dihydroxydiphenylpropane
Ditetrahydrofurfurylamine
Methyleneaminoacetonitrile

Stabilizer for Paraffin on Paper

Dibenzyl bisulphide

Stiffeners for Paper

Algins
Aluminum salts
Ammonium hydroxide
Ammonium resinate
Casein
Chromium salts
Copper alginate
Formaldehyde
Glue, animal
Resins
Rosin

Water-Repellent Agents for Treating Paper

Acetone
Agar
Albumen
Aluminum acetate
Ammonium carbonate
Ammonium stearate
Aquafoe
Aquatec
Aredex WP
Arylsulphonamide-formaldehyde resin in sodium hydroxide
Asphaltum
Base oil
Beeswax
Cadmium stearate
Calcium chloride
Calcium hydroxide
Carbon bisulphide
Carnauba wax
Ceresin
Cetoxymethylpyridinium oxalate
Cetoxymethylpyridinium pyrosulphite
Cetoxymethylpyridinium sulphite
Chinese wax
Coconut oil
Copal
Coaltar products
Cottonseed oil
Dechlorinated oil
Drip oil
Fish oil
Gasolene
Gelatin
Glue, animal
Glycerin
Gums
Hydrocarbons
Kauri gum
Linseed oil
N.R. colloidal wax cream
Nutgall infusion
Paracoumarone
Paraffin
Petrolatum
Petroleum residue
Poppyseed oil
Resin C
Resins
Rosin
Sandarac
Shellac
Soap
Sodium alginate
Sodium carbonate
Sodium hydroxide
Soybean oil
Tannic acid
Tar
Tung oil
Tung oil compositions
Tung oil, gelatinized
Waxes
Zinc-ammonium alginate

Wetting or Penetrating Agents Used in Finishing Paper

Abietesulphonic acid
Acenaphthene
Acenaphthenedisulphonic acid
Acid amides
Aerosol
Albasol
Albatex
Alcohol sulphates
Aliphatic ester sulphate
Alizarin assistant
Alkanol
Alkanol B
Alkyl aryl sulphonates
Alkyl aryl sodium sulphonates
Alkyl dimethylbenzylammonium chloride
Alkylated naphthalenesulphonic acid
Alphasol
Aluminum naphthenate
Aluminum palmitate
Aluminum stearate
Amalgol
Ammonium betatetrahydronaphthalenesulphonate
Ammonium linoleate
Ammonium sulphoricinoleate
Amyltetrahydronaphthalenecarboxylic acid
Anthracenesulphonic acid
Aquasol
Areskap
Aresket
Aresklene
Avirols
Avitex
Beaconol
Benzimidazol, sulphonated alkylated
Betagammadihydroxypropylisohexylamine
Betapara-N-butylbenzoylpropionic acid
Betapara-N-butylphenylbutyric acid
Betapara-N-cyclohexylbenzoylproprionic acid
Betapara-N-laurylbenzoylpropionic acid
Betapara-N-octylbenzoylpropionic acid
Betapara-secondarybutylbenzoylpropionic acid
Brilliant avirol
Butyl acetylricinoleate
Butyl ricinoleate
Calcium cetylsulphate
Calcium decylsulphate
Calcium laurylsulphate
Calcium myristylsulphate
Calcium octylsulphonate
Calcium oleylsulphonate
Calcium stearylsulphate
Calgon
Castor oil, acetylated
Castor oil, sulphonated
Castor oil soap
Cetylpyridinium bromide
Cetyltrimethylammonium chloride
Coconut-oil soap
Cominol
Copper oleate
Corekal
Cyclohexylethanolamine
4-Cyclohexylmethylcyclohexyloxyacetic acid sodium salt
Darvan
Daxad
Decanol
Deceresols
Decylguanidin hydrochloride
Dialkonium
Dialphabetahydroxypropylamine
Diamyl-sodium sulphosuccinate
Dibetagammahydroxypropyldi-isoamylammonium chloride
Dibetahydroxyethylamylamine
Dibutyl ricinoleicsulphonate
Dibutylphenylphenolsodium disulphonate
Dicyclohexylcyclohexanol sulphonate
Diethylaminobetaoxypropylamine
Diethylaminoethyloleylamide
Diethyleneglycol
Diglycol stearate
Dihexyl-sodium sulphosuccinate
Dioctyl-sodium sulphosuccinate
Dipentene No. 122
Dodecylamidobetaine chloride
Dodecylguanidin hydrochloride
Dodecylphenylaminomethylsalicylic acid
Dodecylphenylaminosuccinic acid, normal
Dodecylsulphoylglycin
Dreft
Duponols
Emulsol
Esters of sodium sulphosuccinic acid
Ester sulphonates
Ethanolamine
Ethanolamine oleate
Ethyleneglycol
Extol
Floex
Gamma-4-N-hexylcyclohexylbutyric acid
Gamma-4-isoamylcyclohexylbutyric acid
Gamma-4-N-octylcyclohexylbutyric acid
Gamma-4-secondarybutylcyclohexylbutyric acid
Gardinol
GD 238
Grasselli IN 181, 181-P, and 438
Hercosol 80
Hydromalin
Hytergen BM
Igepon A, C
Intramines
Immersol TX
Invadine
Isopropylnaphthalenesodium sulphonate

(To be continued)

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Drugs, Fine Chemicals

Britain and Canada Get Quicksilver Export Licenses — Denied Japan—Peru Taxes Bismuth—Ascorbic Acid Off—Japanese Menthol Down — Cocoa Butter Lower Again

Price activity in the market for drugs and fine chemicals was limited to a drop in quotations on ascorbic acid, cocoa butter and Japanese menthol. Materials of major importance were conspicuous for strength. In fact, it was difficult to find any item definitely weak. Demand continued reasonably active and for the most part manufacturers and dealers alike looked forward to a Fall of substantial sales activity.

The question of export licenses to permit movement of quicksilver to Great Britain was settled in favor of Britain. Reported here and confirmed from London, the granting of export licenses relieves the market from a cause of potential weakness that recently disturbed prices severely. Britain had already bought heavily here. When it became uncertain that the metal could be exported, fear that the stocks might be dumped on the domestic market led to price weakening. The entire situation, in metal and in derived materials, improved last week.

Peru is taxing exports of bismuth metal 5 percent ad valorem when New York prices do not exceed $1 per pound; they are $1.25 at present. No further developments came in quinine, recent increases in cost being maintained regardless of moderate demand. Cocoa butter weakness indicated supply to exceed demand. Caffeine remained strong. Santonin shipments from Russia have been resumed without breaking spot quotations.

Price Changes

Advanced

None.

Reduced

Acid, ascorbic, 25c. per oz.
Cocoa butter, ¼c. per lb.
Menthol, 10c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
204.0	**204.3**	**203.3**	**182.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Acetylsalicylic. — All needs met fully and promptly. Reserves ample. Future business expected to be good.

Acid, Ascorbic.—Lower costs send prices down. Market now $2 to $2.25 per ounce as to quantity.

Acid, Boric.—Firm. Normally active. Undertones indicate market stability.

Acid, Citric.—Cold weather tempers demand in East. Movement still very good. Prices stabilized.

Acid, Gallic.—N. F., article in fully steady demand. Prices firm. Little competition.

Acid, Gluconic. — Activity conservative. Prices well stabilized. Reserves sufficient.

Acid, Lactic.—Normal interest in U.S.P. goods. Steady to firmer prices.

Acid, Tartaric.—Strong position unchanged. Raw material cost high. Forces continuance of comparatively high prices on acid. Very fair request.

Adeps Lanae. — Movement fair. Fundamentally steady to firm.

Agar.—Absence of normal export markets keeps Japan unsettled. Prices tend in buyers' favor.

Alcohol.—Denatured moving very well. Active season for completely denatured item nearing. Producers expect steady to firm prices. Conditions do forecast general market strength. Full price maintenance the rule.

Ammonia Chloride.—More active season approaching. Some gain in orders preparatory to wider consumption later on.

Ammonia Phosphate.—Substantially steady and moving in normal volume at full prices.

Amyl Acetate.—Strength of market undiminished. Less upward tendency, however. Prices fully maintained.

Antipyrene.—Early expansion of demand likely. Prices well stabilized.

Atropine.—Considerable more competition than orders. Prices none too firm.

Bismuth Metal and Salts.—Peru export tax 5 percent ad valorem when New York price on metal does not exceed $1 per pound. Present price, $1.25 per pound here. Demand for salts normal. Undertones show strength.

Cadmium.—Production of motor car units being resumed. Call for platers producers expected to raise cadmium consumption. Market firm.

Caffeine.—Strong situation. Demand for citrated article likely soon to expand. Cars in all sales exercised.

Camphor.—Firm. Domestic synthetic moving well. Consumption to expand. Japanese natural also well maintained in price.

Castor Oil.—No further drop in price. Demand fair but routine.

CHICAGO, Aug. 21.—Castor oil easy. Prices are:—Cold pressed, U.S.P., barrels, car lots, 11⅝c. per pound; barrels, less than car lots, 12⅜c.; returnable drums, car lots, 11⅜c.; drums, less than car lots, 12½c.; tanks, 10⅞c.; extracted, No. 3, barrels, car lots, 11⅛c.; barrels, less than car lots 11⅞c.; returnable drums, car lots, 10⅞c.; drums, less than car lots, 11⅝c.; tanks, 10⅜c.

Chloroform. — Activity routine but satisfactory. Undertone firm. Prices unchanged for long time.

Cinchophen.—Steady. Interest about normal. Future promising.

Cocoa Butter.—Lower at 10.40c. per pound, car lots, bulk. Supply exceeds demand.

Codeine.—Winter needs likely to be met fully. Firm market. Care to govern all sales.

Codliver Oil.—Production reports received August 22 from German dominated and controlled Norway. Bears date of March 26. War casts doubt on figures submitted.

BERGEN, Norway, March 26.—During the past week 16,900,000 kilos of cod were caught in Lofoten and 7,100 hectolitres crude oil were produced. The corresponding figures for 1939 were 22.1 million kilos and 10,434 hectolitres. The total catch and production for all districts of the last five years are as follows:—

	Fish, Kilos.	Crude oil, *Hectolitres.
1940	104,100,000	51,797
1939	121,800,000	58,951
1938	79,700,000	35,868
1937	92,000,000	48,768
1936	61,400,000	32,908

*Multiply by 0.88 to convert to barrels.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Federal Wholesale Druggists, Sept. 8-11, Hot Springs.
National Wholesale Druggists, Sept. 30-Oct. 3, White Sulphur Springs.
DCAT outing, Oct. 18-19, Skytop.
Pest Control Association, Oct. 28-30, Indianapolis.

Glycerin.—Demand broader. More interest in distant futures. Prices stabilized.

CHICAGO, Aug. 21.—Glycerin steady. Prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity, 11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, car lots.

Menthol.—Japanese natural product lower at $3.40 to $3.50 per pound. Lack of demand. Domestic material finding steady market.

Mercurials.—Raw material strengthening. Shipments to Britain assured. Murcurials very steady. Demand normal.

Quicksilver.—Market steady. Decline seems checked. Export situation clarified. Licenses denied to Japan. Granted on shipments to Britain and Canada. Britain owns large quantities here. Removal of danger of license denial likely to stiffen recently weaker domestic market.

SAN FRANCISCO, Aug. 20.—Quicksilver market firmer at $178 to $180 per flask, f.o.b. or ex-warehouse, San Francisco. Heavy forward sales made in past absorbing nearly all production. Still a tight spot or nearby position.

Quinine.—Firm at late advance. Surcharge also strongly maintained. Conditions suggest no lowering of first costs to sellers.

Rochelle Salt.—Firm to strong. Price strength based on high cost of production. No signs of easing. Demand normally active.

Santonin.—Russia shipping here. In previous week, 12 cases reached here from Soviet port of Murmansk, within Arctic circle. Firm spot prices prevail.

Seidlitz Mixture. — Normal call. Prices supported by high cost of raw materials. Deliveries prompt.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided:—

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34⅝	23½
Monday	26⅞	34⅝	23⅞
Tuesday	26⅞	34⅝	23⅞
Wednesday	26⅞	34⅝	23⅞
Thursday	26⅞	34⅝	23¾
Friday	26⅞	34⅝	22⅞

Soda Benzoate.—Consumption seasonal and active. Prices supported by excellence of movement into consumption.

Penick Explosion Damage Small

An explosion within a milling machine in the Lyndhurst, N. J., plant of S. B. Penick & Co., botanical drug merchant, this city, on August 21 resulted in the death of George Casey, an oiler, and minor injuries to three other employees. Damage to property was very small.

The blast took place during a pause in operating the machine which was milling insecticide raw materials. Mr. Casey entered the machine to do a routine oiling job and in the explosion that followed sustained second degree burns. He died in the hospital August 22.

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THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

F.W.D.A. Convention To Hear Arnold

—Continued from page 3

The associate members have not yet scheduled a second separate session.

There will be two joint sessions, the first at 9:30 a.m. September 10. This will open with welcoming ceremonies and the reception of visiting delegates and responses for the association by President S. C. James and former President G. A. Raab.

There will be reports for committees by J. V. Powers, for entertainment; W. W. Stephens, for active membership; S. B. Penick, for associate membership; John A. Crozier, for memorials; and R. B. Magnus, for transportation.

At this first session Hector Lazo, executive vice-president of the Cooperative Food Distributors of America, will speak on "The Cooperative Movement—Past, Present, and Future," and John Albright, of the United States Bureau of the Census, will tell of "Drug Wholesaling in the Light of the New Census."

The second joint session will be held at 10:00 a.m. September 11, with W. D. Barry, of Mallinckrodt Chemical Works, presiding as chairman of the associate group. In addition to the address by Assistant Attorney-General Arnold this session will have the election and installation of officers.

On the entertainment side the convention will have music in the evening September 8, with golf and so on ad lib and p.r.n. during the day. September 9 will have a ladies' luncheon at 12:30 p.m., followed by bridge at the Cascades Club; golf for associates in the afternoon, a cocktail get-together party at 6:30; dinner at 7:30; and a special entertainment at 9:30.

September 10 the ladies will lunch at the casino and later engage in a putting contest; the associate members will entertain the active members at lunch; both will join in a golf tournament starting at 2:00 p.m. The banquet will begin at 7:00 p.m., and will be accompanied with entertainment of various sorts.

September 11 will be devoted to informal golfing, riding, and other pastimes.

The golf committee, headed by Charles S. Mott, of Topics Publishing Company, says that it has a generous supply of prizes and will be able to reward a variety of special performances.

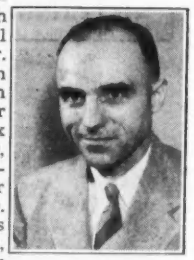
Robert B. Magnus, chairman of the transportation committee, has arranged for special handling of convention-goers on the Pennsylvania train leaving this city at 6:30 p.m. Eastern Standard time, Saturday, September 7. This train is scheduled at Newark at 6:45 p.m.; North Philadelphia, 8:01 p.m.; Philadelphia main station, 8:10 p.m.; Baltimore, 9:42 p.m.; Washington, 11:00 p.m. It will arrive at Hot Springs at 8:00 a.m. Sunday.

A Western schedule proposes leaving Chicago (Twelfth street) at 1:45 p.m. Central Standard time, September 7; St. Louis, 12:05 p.m.; Indianapolis, 5:40 p.m.; Cincinnati, 9:45 p.m.

Mr. Magnus, of Magnus, Mabee & Reynard, Inc., 16 Desbrosses street, this city, has full information on railroad details and on motoring to Hot Springs from various parts of the country—all of which is available at request.

J.T. Baker Chemical Makes Feuchter N.Y. Manager

Harold W. Feuchter has been appointed manager of the New York office of the J. T. Baker Chemical Company, Phillipsburg, N. J., according to Ralph A. Clark, general sales manager. Mr. Feuchter has been associated with the J. T. Baker Company for six and a half years, contacting accounts in upper New York State. He succeeds Charles H. Slater, who was recently appointed divisional sales manager of the fine chemical division with headquarters at Phillipsburg, N. J.



H. W. Feuchter

Van Schaack Brothers Chemical Works, Chicago, had a small fire August 19, which caused property damage estimated at $1,000 in a solvents process unit. An unexplained explosion or burst of flames, which came after the fire was apparently extinguished, killed four members of the Chicago fire department and injured nine others.

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Botanical Drugs, Spices, and Gums

Local Dealers Striving to Get European Botanicals Shipped Via Portugal—Acute Scarcities in Many Items—Ipecac and Rhubarb Lower—Henbane Higher

Although demand for botanical drugs continued narrow and mainly confined to small, pressing needs, the basic elements of real strength remained a constant check on whatever easing tendency lack of demand might have on market quotations in general. A few items sold at lower quotations and some fetched higher prices, but the rank and file of botanical drug values held sturdily at recent levels.

Hope for a Greece-United States route for European botanical drugs passed into limbo as Greek and Italian relations grew worse. Dealers and import agents on spot appeared to be concentrating on getting foreign shippers to ship by rail to Portugese ports still open to American freighters and the like. Just what the British contraband control might do regarding merchandise originating in areas clearly under German influence remains to be developed. At the very best, conditions appeared to discourage hopes that anything like normal quantities of goods could be imported here.

Some botanical merchandise reached here in the previous week from Murmansk, a Soviet port within the Arctic circle. Mayhap that route may become important. At least, caraway and coriander seed, hops, and isinglass have come from Murmansk. And, also, botanicals shipped from the Spanish port of Alicante have been landed. None of these arrivals have included medicinal botanicals, the shortage of which is even now acute.

Balsams

Peru.—Held at steady prices.
Tolu.—Strength undiminished.

Barks

Black Haw.—Price rises to 29c. to 30c. per pound.

Cascara.—Primary market receipts light. Movement larger than a year ago despite lack of export demand. Some estimate peel 50 percent under last year. Peeling period left is six weeks. Carryover smallest in years.

Sassafras.—Stocks fairy well replenished.

Wild Cherry.—Winter reserves well prepared for.

Beans

Calabar.—Dull demand. Unchanged prices.

Vanilla. — Movement maintained. Strong prices.

Berries

Cubed.—Replacement cost firm. Routine market.

Juniper.—Strong position. Stocks low. No competition.

Flowers

Arnica.—Scarcity acute. Nominal price 85c. per pound.

Chamomile.—No competition. Sellers cool to large orders.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1940, and the detention of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered
Anise	533	2,610
Belladonna	69	305
Caraway	1,853	13,337
Cardamom (cases)	...	1,350
Celery	...	4,364
Coriander	2,889	17,262
Cumin	727	3,574
Digitalis leaves (cases)	1	1
Dill	...	199
Fennel	485	1,247
Henbane leaves (bales)	262	270
Mustard	2,800	4,832
Poppy	550	28,183
Sage leaves (bales)	...	249
Sesame	2,917	8,878
Stramonium	121	8,049
Thyme	...	1,975

Price Changes

Advanced

Arnica flowers, 25c. per lb.
Angelica root, domestic, 5c. per lb.
Black haw, root bark, 2c. per lb.
Caraway seed, Russian, ½c. per lb.
Celery seed, Indian, ¾c. per lb.
Henbane Leaves, 12c. per lb.
Marjoram, French, 3c. per lb.
Mustard seed, California brown, 2½c. per lb.
Danish yellow, 3c. per lb.
Pepper, red, chillies, Japanese, 1¼c. per lb.
Sage, garden, 4c. per lb.
Thyme, 2c. per lb.

Reduced

Cardamom, decorticated, 3c. per lb.
green, 4c. per lb.
Coriander seed, ¼c. per lb.
Ginger root, Jamaica, bright grinding, ¾c. per lb.
Grains of Paradise, 2c. per lb.
Ipecac root, whole, 10c. per lb.
powdered, 10c. per lb.
Nutmegs, West Indian, ¼c. per lb.
Paprika, Bulgarian, 1c. per lb.
Hungarian, medium, ½c. per lb.
Pepper, black, Lampong, ½c. per lb.
Mombassa, ½c. per lb.
Pimento, ¼c. per lb.
Poppy seed, Turkish, ½c. per lb.
Rhubarb root, whole, 2c. per lb.
powdered, 3c. per lb.
Rose flowers, pale, 5c. per lb.
Serpentaria root, 5c. per lb.
Uva ursi leaves, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
202.9	**200.7**	**198.4**	**125.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Pyrethrum. — Keen competition. Whole and powder price almost identical. Weakness in concentrates.

Rose.—Pale lowered to 45c. to 50c. per pound.

Saffron.—Steady to firmer market.

Gums

Arabic.—Italians take Somaliland port opposite Aden. Attack northward to Port Said on Suez Canal threatened as part of offensive against Egyptian Sudan. Entire situation makes further shipments of gum from source highly uncertain regardless of route.

Karaya.—Fairish trading. Steady prices.

Mastic.—Firm market at $1.20 per pound. Limited offerings.

Myrrh.—Trade small. Prices well maintained.

Sandarac.—No pressure to buy or sell. Limited quantities available.

Herbs and Leaves

Buch.—Arrivals did not weaken market. Little new activity.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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Thurston & Braidich, Importers, 286 Spring Street, New York

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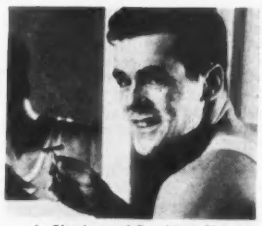
. . . in Wave Set Lotions

. . . in Creams and Lotions


. . . in Shaving and Brushless Shave Creams, Tooth Paste and Powder

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Henbane.—Little available, bringing 82c. to 85c. per pound.

Marjoram.—French higher at 34c. to 35c. per pound. Chilean steady.

Sage.—Garden variety up to 40c. to 42c. per pound. Very scarce.

Uva Ursi. — Substantial quantities landed. Market shaded to 11c. to 12c. per pound.

Miscellaneous

Balm of Gilead Buds.—Dull market. Prices not too steady.

Grains of Paradise.—Shaded to 46c. to 48c. per pound. No real weakness.

Ergot.—Still cheap abroad.

Hops.—Arriving from Murmansk, a Soviet port within Arctice Circle.

Papain.—Competitive market. No open price change. Shading reported.

Roots

Angelica.—Domestic up to 35c. to 40c. per pound.

Goldenseal.—Competition pressing. Small sales.

Ipecac.—Lower at $1.35 to $1.40 per pound for whole; powder, $1.45 to $1.50.

Rhubarb.—Lowered to 53c. to 55c. per pound, whole; powdered, 55c. to 60c. Competition.

Senega.—Spot strong at 65c. to 70c. per pound.

Serpentaria.—Lowered to 65c. to 70c. per pound under competition.

Seeds

Caraway.—Russian sold at 22c. to 22½c. per pound.

Cardamom.—Decorticated down to 81c. to 82c. per pound; green, 61c. to 62c. Competitive market.

Celery. — Indian higher. Sold at 17¼c. to 17¾c. per pound.

Coriander.—Russian seed reaching here unsatisfactory as spice.

Dill.—Limited call at 11c. to 12c. per pound.

Mustard.—No California yellow offered. Brown higher at 17c. to 17½c. per pound. Danish yellow, up to 26c. to 28c.

Poppy.—Turkish shaded to 16½c. to 17c. per pound.

Spices

Ginger.—Bright grinding Jamaica down to 8¾c. to 9¼c. per pound.

Nutmegs.—West Indian item steadier. Resistence to decline developed at 8c. to 8½c. per pound.

Paprika. — Bulgarian, shaded to 29½c. to 30c. per pound; Hungarian medium, 35½c. to 36c.

Pepper.—Spot Lampong off to 3½c. to 4c. per pound. Japanese chillies, higher at 18c. to 18½c.; Mombassia, lower at 28c. to 28½c.

Trading in black pepper futures on the New York Produce Exchange from August 19 to August 23, inclusive, comprised 100 contracts, a total of 3,360,000 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
March	3.68	3.67	3.64@3.67
July	3.82	3.80	3.79@3.83
September	3.45	3.42	3.41@3.45

McK.&R. Seeks Tax Refund Paid on Fictitious Income

William J. Wardall, trustee of McKesson & Robbins, Inc., announced today that he has filed with the Collector of Internal Revenue at Hartford, Conn., a claim for refund of Federal income tax in the amount of $303,000. This sum, he said, represents the tax paid on the fictitious income included by the late F. Donald Coster in the company's tax return for 1937. Similar refund claims, in the amounts of $223,000 and $410,000, respectively, had previously been filed for the years 1935 and 1936, he added.

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LOW COST - HIGH QUALITY
Special Solvents for Specific Purposes
VIKING DISTRIBUTING CO.
K.V. BLDG., CHARLESTON, W.VA.

Lambert Co. Ordered To Equalize Discounts

—Continued from page 4

The Lambert company claims it ceased the discriminatory practices as soon as the complaint was released, and therefore the order is of no value. John S. Norton, vice-president of the company, said that after the issuance of the complaint a series of conferences was held between the company and the commission, as a result of which the company, although denying that its existing plan involved any violation of law, put into effect a revised plan with a view of eliminating any question as to the commission's objections. Thereafter the company and the commission entered into a stipulation of facts which made a trial of the issues unnecessary. Despite the revision effected, Mr. Norton explained that the commission's policy required formal termination of the proceedings by the entry of the order.

Whether a respondent has stopped the practices of which it is accused is not considered by the Federal Trade Commission, and it customarily issues a cease and desist order to give legal backing to its complaint. By the terms of the order, a respondent has sixty days in which to appeal its case to a court; if it fails to take any action within that time, the order goes into effect. If a respondent then continues its practices, the case is turned over to the Department of Justice.

The commission's position is that, if it issues no order, but merely relies on its complaint, a respondent may again put into effect the forbidden practices, and the commission would have to begin all over again by issuing another complaint. Therefore, it almost always issues a cease and desist order even if it knows the company has already complied with its requests.

Presumably the Lambert company will not bring the case to court, since it declares it no longer practices discrimination among its buyers.

As the basis for issuing the order, the Federal Trade Commission found that the Lambert Pharmacal Company granted to certain wholesalers and retailers compensation for either carrying warehouse stocks or furnishing selling services and facilities, or both, as follows:—

To one group of wholesalers, a sum equal to 10 percent of the respondent's net billing prices of Lambert products sold by such wholesalers during the previous month.

To another group of wholesalers, 5 percent of the previous month's purchases.

To a group of retailers, 10 percent of the previous month's purchases.

To another group of retailers, for services and facilities less extensive than those supplied by the 10 percent retailers, a sum equal to 5 percent of the previous month's purchases.

It was found that the respondent corporation failed and refused to make available or pay compensation for similar services and facilities offered by other wholesalers and retailers competing with those dealers receiving the Lambert company's compensations. It was further found that some of the respondent corporation's customers who received compensation equal to 5 percent of the previous month's purchases claimed that they were able and willing to furnish services and facilities for which the Lambert company paid their competitors 10 percent of their previous month's purchases, but that the respondent corporation refused to accept their offers or to pay them the 10 percent compensation.

In failing and refusing to pay the compensation requested in these instances, the respondent corporation, according to findings, failed to make such compensation available to all its customers competing in the distribution of its commodities, on proportionally equal terms, thereby violating section 2 (d) of the Clayton act, as amended by the Robinson-Patman act.

The commission's order specifically forbids the granting or allowing of the 10 and 5 percent compensations to the wholesale and retail groups aforementioned unless such payments are made on proportionally equal terms to all competing buyers. The order also generally prohibits the allowing of any compensation to any customer for services or facilities furnished, unless such payments are made on proportionally equal terms to all competing buyers.

Drug Trade U.S. Reserve Officers Study Buying Setup

Twenty-one members of the Officers Reserve Corps, Procurement Division, War Department, on August 17 completed two weeks training at the Brooklyn base of the United States Army.

The reserve was formed years ago to assure the smooth co-ordination of the Procurement Division with the pharmaceutical, chemical, crude drug, surgical instrument and dressing, glass, X-ray, and optical industries. As part of the preparedness activities of the government, these reserve officers devoted two weeks to a study of the set-up of the Procurement Division, its manner of functioning, and the problems related to proper organization to supply the medical and allied needs of the United States army.

Instruction of the reserve personnel was undertaken by Col. Dever, Lt. Col. Shock, Lt. Col. Dawson, Mj. Warrell, and Capt. Currie. Lt. Col. Carson Frailey, executive vice-president of the American Drug Manufacturers Association, was a special speaker.

Reserve officers in attendance from August 4 to August 17 included:—Mj. Guy G. Bailey, pharmaceutical chemist; Lt. Joseph A. Calamari, associate chemist; Mj. Charles G. Gruber, medical division, Eastman Kodak Company, Rochester, N. Y.; Capt. Everard Joering, of Wm. S. Merrill Company, Cincinnati, O.; Mj. William E. Levis, of the Owens-Illinois Glass Company, Toledo, O.; Lt. Col. Ralph R. Patch, of the E. L. Patch Company, Stoneham, Mass.; Lt. Col. Sydnor B. Penick, of S. B. Penick & Co., this city; Capt. Albert A. Teeter, of Charles Pfizer & Co., this city, and Mj. Edward A. Wickham, medical division, Hoffmann-LaRoche, Inc., Nutley, N. J.

Bims Shifts Golfing

Bims will hold its next golf tournament September 10 as previously scheduled, but the playing will be at the Cherry Valley Golf Club, Garden City, Long Island. Earlier plans contemplated playing at the Fenway club.

Bims, which is an organization representative of buyers, importers, manufacturers, and salesmen in the drug and cosmetic field, has a particular rule about guests at its affairs, and the executive committee, in telling about the change in the September golfing place, says:—

We call your attention to the rule to the effect that a guest may be invited to only one affair during a season, and we are attaching a list of names of men who have participated so far this year. Please go over this list before you invite anybody so as not to break the rule.

'Neoprene' Film Available

A new sound motion picture produced by the E. I. du Pont & Co. tells the story of "Neoprene," a synthetic rubber-like material. The motion picture telling this story is available without charge to any organization having available a 16 mm. sound projector. Bookings may be arranged through rubber chemicals division, E. I. du Pont de Nemours & Co., Wilmington, Delaware.

L.C.L. Freights Revised

The New York Public Service Commission has approved an amendment to the freight tariff filed by W. S. Curlett, I. N. Doe and B. T. Jones, agents for carriers in official territory—pick-up and delivery service of less than carload freight. Service established at Brockport, Macedon and Middleport on New York Central. Limits extended at Floral Park on Long Island railroad to include Elmont. Service cancelled at Vestal on Delaware, Lackawanna & Western. Effective August 26, 1940.

Charles E. Krampf has resigned as president and director of the Penn Valley Crude Oil Corporation and its subsidiary, the Indian Drilling Corporation. Desire to conduct his own business as an independent oil producer prompted Mr. Krampf's resignation.

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Essential Oils, Aromatic Chemicals

Peppermint Decline Extended—Spearmint Reflects New Crop Influences—Wormseed Off—Ceylon Citronella Sags Under Java at Source—Lemongrass Cheaper—Demand Routine

Demand for essential oils and aromatic chemicals remained routine throughout the past week. Absence of larger sales volume was not exceptional; late Summer trade usually reaches conservative totals in most years. The important feature of the market was the more or less firm price position on imported goods regardless of current demand. Price stability was the rule. Sale in some domestic oils that normally weaken at this season of the year when new crop becomes increasingly influential on price structures.

Peppermint was lowered in response to new crop influences. Also, resumption of Russian shipments to this country certainly made the market no firmer. Some sixty-six cases were landed in the previous week, having been shipped from the Soviet port of Murmansk, within the Arctic Circle. Russia also shipped coriander seed suitable only for distillation purposes in this country.

Spearmint and wormseed were down moderately. Both price movements resulted from new crop influences and prospects.

Citronella at Ceylon was cheaper than Java oil in its primary market, a reversal of a price position that had prevailed for months. Lemongrass was lower, spot and forward, and moved in small lots.

Price Changes

Advanced

None.

Reduced

Citronella, Ceylon, 1½c. per lb.
Lemongrass, 3c. per lb.
Peppermint, natural, 15c. per lb.
redistilled, 15c. per lb.
Spearmint, 15c. per lb.
Wormseed, 5c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.4	127.4	128.5	70.4

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Angelica. — Very firm. Demand light. Stocks moderate. Not easily replaced.

Anise.—Jobbing demand steady. Prices maintained firmly. Fair reserve.

Apricot.—Undertones steady. Consumption moderate but about normal. Well maintained prices.

Bergamot.—Rather more selling in small lots. Artificial item moving well at firm prices. Stocks Italian oil shrinking steadily.

Bois de Rose.—Firm. No special call. Usually for small prompt requirements.

Calamus.—Narrow market. Firm prices. Moderate stocks.

Caraway.—Seven cases reached here from Murmansk, Soviet port in Arctic Circle. No weakening of spot prices.

Cardamom.—Firm market. Not very active. Usually jobbing sized orders.

Cassia.—Firm undertones held. No further advance. Tendency upward still. Fairish demand.

Celery.—More inquiry and some gain in jobbing sales. Prices firmer.

Cinnamon.—Firm. Transport slow from primary market. Carriers hard to get. Spot not very active.

Citronella.—Easier. Prices in Ceylon lower than those for Java oil. Spot Ceylon, drums, 30c. to 31c. per pound.

Clove.—Fairly active market. Firm prices. Absence of excessive competition. No raw material weakness.

Coriander.—Seed arriving from Russia. Probable for distillation purposes. Came from Murmansk, Soviet port in Arctic Circle.

Ginger.—No further raw material weakening. Oil quiet to dull. Prices holding well.

Juniper.—Very strong market likely to continue. Imports impossible by shortest route from source. Stocks small.

Lavandin.—Strong. No more coming from primary market. Absence of local competition.

Lavender.—Present stocks being conserved. No certainty when goods may come from France. Prices strong.

Lemon.—Good call for domestic product. Price retains substantial stability. Home needs likely to be cared for fully.

Lemongrass.—Little demand. Spot sales at 65c. to 70c. per pound.

Lime.—Seasonal activity very fair. Prices show strength. Absence of much spot competition.

Mustard.—Domestic artificial item firmly priced. In good reserve. Natural oil stocked moderately.

Nutmeg.—Raw material showing resistence to price declines after extended period of weakness. Oil prices maintained.

Orange.—Seasonal activity holding up well. Plentiful reserves available. California oil fiinding buyers at attractive prices. Florida production may gain.

Palmarosa.—Firm, spot and shipment. Call moderate. Reserves protect needs fairly well.

Peppermint.—New crop influences keep spot prices dropping. Natural, $2.35 to $2.60 per pound; redistilled, $2.60 to $2.85. Buyers hold off. Fair stocks in prospect. Russia sends 66 cases via Murmansk, in Arctic circle.

Spearmint.—Spot quotation shaded to $2.10 to $2.15 per pound. Anticipating lower prices on now crop goods. Little call.

Wormseed.—Market shaded to $4.15 to $4.25 per pound. Demand down. New crop influences at work, little call.

Aromatic Chemicals

Isoborneol.—Dull. Prices steady. Need mainly jobbing.

Isobornyl Acetate.—Hand-to-mouth demand. Fair supply. Quiet price position.

Isobutyl Acetate.—More inquiry. Gain in jobbing sales. Full price maintainence.

Isoeugenol. — Steady to firm. Buying confined to actual needs. Little competition.

Isosafrol. — Undertones firmer to steadier. Prices hold well. Sales volume normal.

Linalool.—Very good call. Numerous jobbing orders built good volume. Steady prices.

Linalyl Acetate.—Home production meeting demand well. Firm prices.

Menthyl Salicylate. — Very good sales reported. Present movement slower. Stable prices.

Methyl Acetophenone. — Call irregular. Usually for moderate quantities. Price firmness continued.

Methyl Anthranilate. — Steady to firmer market. Less price shading on large inquiries. Situation improved.

Methyl Benzoate.—Steady movement in jobbing lots. Price stability continued. Fair reserves.

Methyl Cinnamate. — Inquiries gain. Sales upped some. Quotations steady to firm.

Methyl Heptenone.—Jobbing business steady. Large-way call infrequent. No price shading.

Methylheptine Carbonate. — Complete price stability. Demand normal. Situation generally steady.

Methylhexyl Ketone. — Perfumers grade moving well. Normal volume at steady prices the rule.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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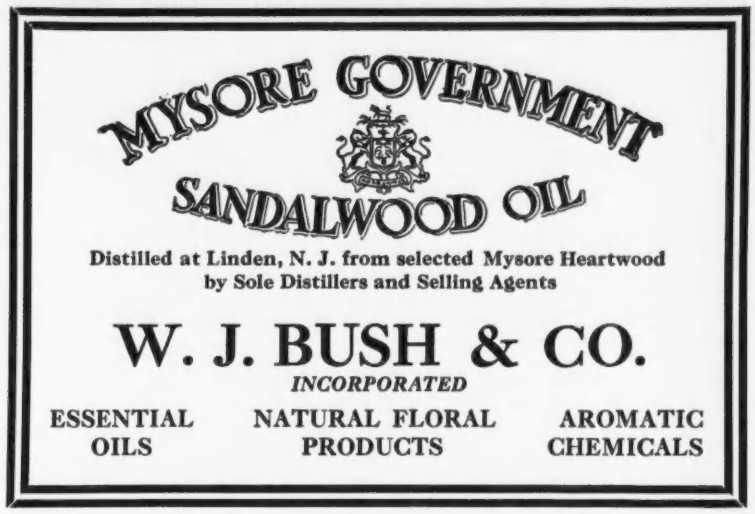

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Methylnaphthyl Ketone.—Trade irregular. Inclined to be slow. Quotations very steady.

Methylphenyl Acetate.—Fair movement. Most calls for jobbing lots. Good stocks available.

Methyl Salicylate. — Price stability unaltered. Signs of change unseen. Demand normal in volume.

Musk.— Fair trade noted. Some dealers report gains. Quotations develop stability.

Nerolin.—Slow market. Demand jobbing. Fully supplied and promptly shipped.

Baltimore Paint Salesmen's Club will start its Fall meeting September 9.

French nitrogen industries ammonia capacity has been placed at 300,000 metric tons pure nitrogen, according to a report in a Berlin trade paper. Actual output approximated one-half of the capacity.

France, Campbell & Darling Now in Kenilworth, N.J.

France, Campbell & Darling, Inc., manufacturer of synthetic resins and importers of natural gums and resins, moved into new quarters on August 1, consolidating administration offices, factories and warehouses into a greatly enlarged, modern plant in Kenilworth, N. J. For nearly a quarter of a century the company maintained executive offices and plant at Fifteenth street and Second avenue, Brooklyn.

The company manufactures a complete line of synthetic resins, natural varnish gums and resins known to the trade as the "F C D" line, and also carries on extensive import operations with all primary sources.

Thomas Goes to Europe

H. Gregory Thomas has resigned from Bourjois, Inc., to engage in a special work for the Toilet Goods Association involving a study of conditions in Europe with particular respect to the raw materials needed by the perfume and cosmetic industry in this country. Mr. Thomas left for Europe August 15. He will be gone for two months.

Pepsi-Cola Claim Payment By Loft Is Approved

Settlement of a claim involving 137,500 shares of Pepsi-Cola Company stock held by Loft, Inc., was voted at a meeting of independent stockholders of the former company last week. The agreement provides that Loft pay $250,000 to Pepsi-Cola. A final hearing has been ordered in Chancery Court in Wilmington, Del., September 4.

Petroleum Solvents, Lubricants, Fuels

Crude Oil Advanced in Illinois Basin and Two Kentucky Fields—Kerosene, No. 2 Heating and Diesel Oils Down in East—Crude Paraffin Demand Improved

Crude oil prices were advanced in the Illinois basin and in two Kentucky fields last week. The higher price in Illinois, coupled with a sharp decline in Illinois output, a state that has no proration, was especially gratifying to producers of Oklahoma, Texas and Louisiana crude, as the Illinois product had been selling out of line with that of those states. As a result, if the Illinois situation does not change, the final half of the year may be reasonably profitable for the industry as a whole, despite the loss of a large part of the export market.

Some refined products continued to show weakness, especially along the Atlantic coast. Kerosene and No. 2 furnace oil were lowered in New York, except the Western area, and New England. One company reduced diesel oil at the Atlantic seaboard. There was a pick-up in demand for crude scale wax but petrolatums and white mineral oils were moving slowly. Solvents and diluents were routine.

Price Changes

Advanced

Petroleum, crude, bulk, at well, 15c. per bbl., Ill. basin.
10c. per bbl., Kentucky River field.
10c. per bbl., Big Sandy River field.

Reduced

Kerosene, 3/10c. per gal., N. Y. and N. Eng.
Oil, diesel, 10c. per bbl., Atlantic seaboard
furnace, No. 2, 3/10c. per gal., N.Y. and N. Eng.

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas.—Small movement of stocks. Prices steady and unchanged.

Cleaners' Naphtha.—Ordering was more conservative and less regular. Price was firm.

Lacquer Diluent.—Consumers were disinterested in offerings. Shipments were small and irregular. Price unchanged.

Petroleum Thinners.—Paint manufacturers buying small lots only to cover immediate needs. No forward ordering reported. Prices firm.

Rubber Solvent.—Slight pick-up in demand. Price firm.

V.M. & P. Naphtha.—Business slack. Price unchanged.

Markets at Other Centers

Chicago—August 22

Demand is fairly good for petroleum solvents and diluents. Price cutting remains a problem in some items, but for the most part structure is well supported. Ruling prices in tankcar lots, f.o.b. Group 3 Oklahoma, are:—Blending naphtha, 4c. to 4¼c. per gallon; cleaners' naphtha, 6½c. to 6¾c.; petroleum spirits, 5½c. to 5¾c.; rubber solvent, 6½c. to 6¾c.; lacquer diluent, 7c. to 7¼c.; Stoddard solvent, 6¼c. to 6½c.; v.m.&p. naphtha, 6½c. to 6¾c.

New Orleans—August 21

There was little interest in most offerings of petroleum solvents and diluents last week. Prices on the whole were firm and were quoted as follows:—

CLEANING SOLVENT.—Boiling range 225-350, gravity 53, 6¾c. delivered New Orleans in tank cars.

V.M.P. NAPHTHA.—Boiling range 175-425, gravity 48, 6½c. delivered New Orleans in tank cars.

Tulsa—August 21

More inquiries are coming into the market for rubber solvent and cleaners' naphtha but prices are unchanged. There is a better undertone to the market than during the past six weeks. Rubber solvent, v.m.&p. and cleaners' naphtha are 6½c. to 6¾c. per gallon. Stoddard is 6¼c. to 6½c. Lacquer diluent is 7c. to 7¼c., petroleum spirits remain at 5½c. to 5¾c. and blending is 4c. to 4¼c.

Lighter Fractions

Butane.—Less active buying interest reported. Price steady.

Heptane. — Conservative demand seen. No price change.

Hexane.—Market sluggish. Price steady.

Octanes. — Normal movement of stocks. Firm.

Pentanes.—Routine and steady.

Propane. — Shipments still fairly regular but small in volume. Price unchanged.

Petrolatums and Waxes

White Mineral Oils.—Conservative ordering reported. Prices steady.

Petrolatums.—Little of new interest. Shipments light. Prices firm.

Paraffin.—Business in crude scale material improved. Refined grades moving well. Prices firm and unchanged.

Chicago—August 22

A fair demand exists for refined petroleum wax with tone stable. Movement on orders is good. Most activity is in the form of small lots. Ruling prices are:—122-124, 5.6c. to 5.65c. per pound; 125-127, 5.6c. to 5.65c.; 127-129, 5.85c. to 5.9c.; 130-132, 6.15c. to 6.2c.; 132-134, 6.4c. to 6.45c.

Tulsa—August 22

The weakness in this product continues and quotations are about the lowest of the year. The 124-26 crude is 2½c. to 2¾c. per pound.

Fuels and Lubricants

Gasoline.—Prices slightly firmer but unchanged at New York harbor. Consumption satisfactory.

Kerosene.—Price reduced 3/10c. per gallon in New York State, except Western area and New England. New tankcar quotation is 4.9c. per gallon at local refineries.

Fuel and Gas Oils.—No. 2 heating oil lowered 3/10c. per gallon in New York, except Western area, and New England. New tankcar price is 4.1c. per gallon at local refineries. One major company reduced diesel oil 10c. per barrel to $1.70 at Atlantic seaboard.

Lubricating Oils. — Pennsylvania bright stocks and neutrals were in better demand and showed more firmness in price. No changes were made.

Crude Oil Price Changes

The posted price was advanced 10c. per barrel to $1.15 for Illinois basin crude. One company advanced price 10c. per barrel in Kentucky to $1.20 for Kentucky River production and $1.12 for Big Sandy River.

Markets at Other Centers

Chicago—August 22

Demand for gasoline is heavy. Prices are fairly well maintained. Kerosene movement is fair. Tractor fuels are moving well. Heating oils are beginning to attract more attention and tone is steadier. Heavy fuel business continues good, with undertone strong. Lubricants are marking time.

GASOLINE.—High octane motor, 4⅝c. to 4⅞c. per gallon; middle octane motor, 4¼c. to 4½c.; low octane motor, 3⅞c. to 4⅛c.; 60-62, 400, 3⅞c. to 4⅛c.; 64-66, 375, 4⅛c. to 4⅜c.; 68-70, 360, 4¼c. to 4½c.

KEROSENE.—42-44, water white, 4c. to 4¼c. per gallon; 41-43, water white, 3⅞c. to 4⅛c.

FURNACE OILS.—Range oil, 3⅝c. to 3⅞c. per gallon; prime white, No. 1, 3½c. to 3¾c.; No. 1 straw, 3⅜c. to 3⅝c.; No. 2 straw, 3¼c. to 3½c.; No. 2 dark, 3⅛c. to 3⅜c.; No. 3, 3⅛c. to 3¼c.

FUEL OILS.—No. 4, $1 to $1.10 per

—*Continued on page* 50

The State of the Petroleum Market

The crude oil advances last week failed to affect these figures.

	Aug. 23	Aug. 16	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.1720	$1.1720	$1.127
Gasoline prices at refineries (at four refining centers) per gallon.....	.0517020	.0517020	.0505625

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1940 Jan. 1-Aug. 17	1939 Jan. 1-Aug. 17
Commercial crude oil production.....	847,202,000	801,072,564
	Week ended Aug. 17, 1940	Week ended Aug. 19, 1939
Daily average production	3,524,697	2,480,550
Bureau of Mines estimate.....	3,657,700	3,521,900
	Week ended Aug. 17, 1940	Week ended Aug. 10, 1940
Estimated motor fuel stocks.....	86,441,000	88,115,000
Estimated finished motor fuel stocks.....	79,810,000	81,371,000

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association meetings:—
National Petroleum, Sept. 18-20, Atlantic City.

Highest quality
U.S.P. and Technical WHITE OILS
NAPHTHENIC ACID
CRESYLIC ACID
VISCOUS OILS (extremely viscous polymerized hydrocarbons)
CALODORANT GAS ODORANT
STANDARD OIL COMPANY OF CALIFORNIA
225 BUSH STREET, SAN FRANCISCO, CALIFORNIA
CALIFORNIA COMMERCIAL COMPANY, INC.
30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

NICKEL FORMATE
Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

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MAKES BAD ODORS VANISH!
A few drops of NEUTROLEUM will neutralize instantly the most offensive odors. Originally introduced for use in fly sprays and petroleum base preparations, it is now proving its effectiveness in hundreds of totally different technical products. Its cost is negligible; its value immeasurable. If your product has a sales-retarding scent you can free it of this handicap. Investigate NEUTROLEUM.
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Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

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Seven-hundred-eleventh Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Barium Silicate

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Chemical

Process material in making—
- Alkali silicates (U.S. 1463037)
- Ammonia (U.S. 1453210 and 1501840)
- Barium acetylsalicylate (U.S.1217862)
- Barium chloride (U.S. 1495893)
- Barium cyanide (U.S. 1501840)
- Barium hydroxide (U.S. 1247510 and 1490769)
- Potassium hydroxide (U.S. 1440211)
- Sodium hydroxide (U.S. 1440211)

Starting point (Germ. 567521) in making—
- Alkaline carbonates with the aid of alkaline sulphates and carbonic anhydride

Electrical

Process material (U.S. 1495568) in making—
- Storage battery separators

Glass

Ingredient (U.S. 1415980) of—
- Glass composition

Bis-Benzothiazyldimethylthiolurea

Rubber

Vulcanizing accelerator in making—
- High-clay stocks
- Mechanical goods of all types, including heels, soles, and general molded articles
- Tire stocks
- Tube stocks

Bromopicrin

(Nitrobromoform, Tribromonitromethane)

Chemical

Reactant in—
- Organic syntheses

Military

As a mitilary poison gas

Dimethylphenylbenzyl-Ammonium Chloride

Textile

Discharging agent for—
- Indigo-dyed cloth (gives an orange color when used in combination with sulphoxylates)

Discharging agent and resist for—
- Indigo dyes
- Vat dyes

Ethyleneglycol Monobenzylether

(Aethylenglykolmonobenzylæther, Benzyl Cellosolve, Ether de Ethyleneglycolemonobenzylique)

Adhesives

Suggested as solvent in—
- Adhesive compositions containing cellulose acetate or certain resins

Cellulose Products

Solvent for—
- Cellulose acetate

Ceramic

Suggested as solvent in—
- Compositions, containing cellulose acetate or certain resins, used as coatings for protecting and decorating ceramic products

Chemical

Organic chemical offering following properties—
- Colorless liquid
- Faint rose-like odor
- Lowe evaporation rate

Reactant in—
- Organic syntheses

Selective hydroxyethylating agent in—
- Organic syntheses

Solvent for—
- Cellulose acetate
- Dewaxed dammar
- Ester gum
- Rosin

Cosmetic

Suggested as solvent in—
- Nail enamels and lacquers containing cellulose acetate or certain resins as base material

Dye

Solvent for—
- Dyestuffs

Electrical

Suggested as solvent in—
- Insulating compositions, containing cellulose acetate or certain resins, used for covering wire and in making electrical machinery and equipment

Glass

Suggested as solvent in—
- Compositions, containing cellulose acetate or certain resins, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware

Ink

Solvent in—
- Inks

Leather

Suggested as solvent in—
- Compositions, containing cellulose acetate or certain resins, used in the manufacture of artificial leathers and for protecting and decorating leathers and leather goods

Metal Fabricating

Suggested as solvent in—
- Compositions, containing cellulose acetate or certain resins, used as coatings for protecting and decorating metallic articles

Miscellaneous

Suggested as solvent in—
- Coating compositions, containing cellulose acetate or certain resins, used for protecting and decorating articles of various materials

Paint and Varnish

Suggested as solvent in—
- Paints, varnishes, lacquers, enamels, and dopes containing cellulose acetate or certain resins

Paper

Suggested as solvent in—
- Compositions, containing cellulose acetate or certain resins, used in the manufacture of coated papers and coatings for protecting and decorating products made of paper or pulp

Perfume

Fixative for—
- Perfume materials

Photographic

Suggested as solvent in making—
- Films from cellulose acetate

Plastics

Suggested as solvent in making—
- Laminated fiber products
- Molded products
- Plastics from cellulose acetate or certain resins

Resins

Suggested as solvent for—
- Resin-cellulose derivative compositions and solutions

Rubber

Suggested as solvent in—
- Compositions, containing cellulose acetate or certain resins, used as coatings for decorating and protecting rubber goods

Stone

Suggested as solvent in—
- Compositions, containing cellulose acetate or certain resins, used as coatings for decorating and protecting artificial and natural stone

Textile

Suggested as solvent in—
- Compositions, containing cellulose acetate or certain resins, used in the manufacture of coated fabrics

Wood

Suggested as solvent in—
- Compositions, containing cellulose acetate or certain resins, used as protective and decorative coatings on woodwork
- Plastic compositions, containing cellulose acetate or certain resins, used for many filling and repairing purposes on wood

---

5-Ethyl-5-paraphenetidinobarbituric Acid

Pharmaceutical

Claimed (Brit. 414293) as—
- Medicinal agent having good hypnotic properties but low toxicity

---

Isomannide

(1:4:3:6-Dianhydromannitol)

Chemical

Reactant in synthesis of—
- Emulsifying agents
- Plasticizers

Pharmaceutical

In compounding and dispensing practice

Suggested for use as—
- Diuretic

Resins

Process material in making—
- Synthetic resins

Manganese Oxalate

(Oxalate de Manganese, Oxalate Manganique, Oxalsauresmangan)

Chemical

Process material in making—
- Catalysts used in ammonia synthesis (U.S. 1473543 and 1473544)
- Catalysts used in process for cracking hydrocarbons (U.S. 1168404)

Metallurgical

Starting point in making—
- Manganese

Miscellaneous

Ingredient of—
- Etching electrolyte (U.S. 1273432)

Paint and Varnish

Drier in—
- Paints, varnishes, enamels, and the like

Wood

Ingredient of—
- Polishing composition (U.S. 1168485)
- Staining composition (U.S. 1168485)
- Wood-filling composition (U.S. 1168485)

Methylenedi-(N-methylcyclohexylamine)

Rubber

Starting point in making—
- Vulcanizing accelerators with carbon bisulphide

Phenyl Phthalamate, Normal

Rayon

Delustring agent (U.S. 2069773 and 2069774) for—
- Cuprammonium products
- Nitrocellulose products
- Viscose products

Pentaerythritol

(Additional uses—supplementary to information in the book, Uses and Applications of Chemicals and Related Materials—see bottom of this page)

Chemical

Starting point in making—
- Derivatives used as—
- Camphor substitutes
- Cellulose acetate plasticizers
- Lubricant ingredients
- Nitrocellulose plasticizers
- Separating agents
- Solvents
- Synthetic resins
- Esters
- Ethers
- Pentaerythritol tetra-acetate (U.S. 1583658)

Explosives

Starting point in making—
- Pentaerythritol benzoates (U.S. 1432321 and 1478892)
- Pentaerythritol cinnamate (U.S. 1432321)
- Pentaerythritol tetranitrate (U.S. 1432321 and 1478892)

Insecticide

Starting point in making—
- Pentaerythritol bromide

Resins

Starting point in making—
- Synthetic resins
- Synthetic resins (special) (Brit. 396354, 407914, and 407965)
- Synthetic resins for use in patent leather coating compositions (Brit. 394000)

Sodium Hemiphosphoglucosate

Chemical

Chemical agent offering following properties—
- Colloid
- Forms fine colloidal precipitates with heavy metals
- Forms soluble salts with alkali metals
- Soluble in all proportions
- Strongly acid
- Viscous
- Yellowish-green to brown color

Mechanical

Inhibitor of —
- Scale formation in boilers and cooling water systems
- Sludge in boilers

Reducer of—
- Hydrogen ion concentration values

Remover of—
- Scale from boiler systems
- Scale from cooling water systems

Uses and Applications *of Chemicals and Related Materials* • A cloth-bound book of 665 pages (6 x 9) containing information similar to that above on 5167 materials • **$10** Postage paid in U. S. 39c postage elsewhere

Fertilizer Materials

Domestic Soda Nitrate Unchanged for September Bag Delivery —Imported Blood and Cottonseed Meal Advanced—Prices Easing in Chicago — Chemicals Firm and Active

The bag prices of domestic nitrate of soda for delivery in September will be unchanged from the prices now in effect.

Despite limited buying of organics in most sections of the country, prices in the general market for raw fertilizer materials were fairly well maintained last week. Heavy purchasing of imported blood on the Pacific coast prompted a small advance in that ammoniate. Cottonseed meal in the Southeast was the only other improvement. Organic prices were holding well in the East but were reported easing in Chicago.

Chemical fertilizer materials were still fairly active. Sulphate of ammonia continued a very tight item, with exporting heavy. Some domestic consumers were encountering difficulty in obtaining needed spot material. Shipments of potash products on contract were heavy. Nitrate of soda delivery in bags was in good volume, with producers beginning to turn their attention to determination of the bag price for September.

Further sales of menhaden futures were reported at the lower price recorded two weeks ago. Fishing along the Atlantic coast was hampered by storms during the week and the catch was small. The storms also did considerable damage to manufacturing plants along the coast.

Nitrogenates

Ammonia Phosphate. — Offerings limited. Price nominal.

Cyanamid.—Very tight, with price firm.

Dried Blood.—Imported advanced 10c. per unit to $2.45. Domestic firm. Market quiet.

Fish Scrap.—Further sales reported at $3.10 and 10c. Japanese sardine meal firm and quiet.

Nitrate of Soda.—Bulk shipments fair. Bag delivery price for September undetermined.

Nitrogenous Material. — Demand small. Price firm.

Sulphate of Ammonia.—Bag prices for September delivery of domestic product to be unchanged.

Tankage.—Market quiet. Prices steady and unchanged.

Potashes

Muriates and manure salts were being shipped in good volume last week. Domestic material was fairly tight. Imported product unobtainable. Cottonseed hull ash firm and in small demand.

Phosphates

Bone Materials.—Buying conservative during week. Prices steady and unchanged.

Phosphate Rock.—Seasonal volume of shipments reported. Spot demand small. Prices firm and unchanged.

Superphosphate.—Sales volume fair. Shipments satisfactory. Prices steady and unrevised.

Sulphur and Pyrites

The movement of crude sulphur continued to return to a more seasonal basis but shipments were still fairly large. There was very little new buying interest in the market. Price was steady and unchanged.

Markets at Other Centers

Atlanta—August 21

Interest in buying fertilizers is lacking, but the crop outlook is encouraging for next season. Quotations of leading materials are as folows:—

SUPERPHOSPHATE.—52c. per unit, interior producing points.

SULPHATE OF AMMONIA.—$28 per ton, port basis.

COTTONSEED MEAL.—8 percent grade, spot, $27.50 Southeast.

BLOOD.—South American, $2.45 per unit, ports.

TANKAGE.—Imported, $2.40 and 10c., port basis.

Baltimore—August 21

The business in organic fertilizer materials maintains its pronounced quiet, with trading held down to small proportions and with prices recording little change. Current quotations are as follows:—

FISH SCRAP.—Further transactions were negotiated on the basis of $3.10 and 10c. per unit-ton.

SUPERPHOSPHATE. — Quiet. Quotations stand at $8 per ton for 16 percent and at $8.50 for 16 percent flat material.

TANKAGE.—Last business was done at $2.25 and 10c. per unit-ton, basis New York.

DRIED BLOOD.—Inactive, with sellers asking $2.25 per unit-ton.

Chicago—August 21

Organic fertilizer materials have been easing here recently. Inquiries have been only moderate on most grades of material in all groups. Blood has been available at some concessions. Tankage business is only fair, and trade is light. Bone materials are mostly easy and rather dull.

BLOOD.—Principal grade, $2.25 per unit of ammonia.

TANKAGE.—High grade, feeding, $2.75 and 10c.; hoof meal, $2.25 to $2.40; liquid stick, $1 to $1.25.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $28; 3 and 50 percent, $29 to $30; 4½ and 50 percent, $30 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $34 to $35; pork cracklings, $30 to $35; beef cracklings, soft pressed, $27.50 to $32.50; hard pressed cracklings, per unit of protein, $47.50 to $50.

San Francisco—August 21

Buying of organic products is proceeding in good fashion. Markets are steady and consumers are tending to take up enough to keep supplies from accumulating. Ruling prices are:—

SULPHATE OF AMMONIA.—$38 per ton in 100 pound bags, delivered inland points.

SUPERPHOSPHATE.—80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c. per unit.

NITRATE OF SODA.—100 pound bags, $29 and 200 pound bags $28.30, both ex-vessel or warehouse. Bulk lots at $27.

FISH MEAL.—San Francisco 67 percent protein, $44 for spot or old crop and $41 for futures, f.o.b. cars, San Francisco. Monterey 65 percent protein, $40 for futures.

TANKAGE.—Unground fertilizer, wet rendered, domestic, $2.60 and 10c. per unit ton, f.o.b. plant, Northern California. Dry rendered, ground, 50 percent, $32.50 per ton, f.o.b. cars, South San Francisco. Argentine, 50 percent ground, $31 per ton, ex-dock, San Francisco; 65 percent ground is $36.

BLOOD MEAL.—$2.50 to $2.60 per unit, f.o.b. cars, San Francisco or Los Angeles.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Price Changes

Advanced

Blood, dried, imp., 10c. per unit, c.i.f. ports
Cottonseed meal, 25c. per ton, Southeastern mills

Reduced

None.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914. compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
67.0	67.0	67.0	66.3

Market news that may have developed after this report was sent to press will be found on page 4.

Fertilizer Scarcity Discussed By Fifty Cooperatives

College Park, Md., Aug. 19, 1940

A three-day "cooperative institute," called for a mutual consideration of "the problems and conditions which farmers' cooperatives must deal with as a result of changing world conditions," was held at the University of Maryland last week. Representatives of more than fifty State organizations were present to discuss the problems, one of the most important being the procurement of chemical fertilizers. Supply of these materials has been very tight since the outbreak of the war.

Pittsberg Chemical Sales Headquarters in Los Angeles

The Pittsberg Chemical Company has announced that the sales and accounting headquarters are now located in 609 South Grand avenue, Los Angeles. The company states that the San Francisco sales office will continue to function as usual, but whenever convenient, correspondence, orders and invoices should be directed to the Los Angeles office to insure immediate action.

Aluminum Company of America is building a technical laboratory, with two stories and basement and 57x100 feet in ground area, at Fruitland avenue and Magnelia street, Los Angeles.

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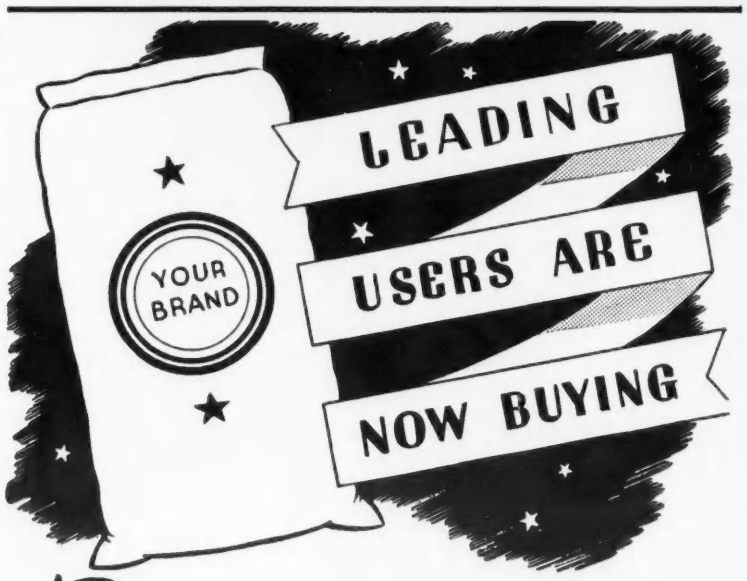

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Save money—replace more expensive containers with Fulton Waterproof Paper Lined Bags for shipping, storing chemicals, pigments and any products that require sift-proof and moisture-proof containers. Bags are cheaper, store more easily and save you freight.

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ATLANTA ST. LOUIS NEW YORK NEW ORLEANS
MINNEAPOLIS DALLAS KANSAS CITY, KANS.

Shipping Information

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Imports at U.S. Ports

New York Imports

AGAR—10 bls, T M Duche & Sons, Kobe
20 bls, Kachurin Drug Co, Kobe
ALBUMEN, EGG, HEN—36 cs, Consumers Import Co, Japan
28 cs, Japan
ALOE—152 cs, Selma Mercantile Corp, Curacao
ANNATTO SEED—100 bgs, Guayaquil
150 bgs, Guayaquil
ANTIMONY ORE—49 pkgs, American Smelting & Refg Co, Tampico
500 bgs, New York & Cuba Mail S S Co, Tampico
427 bgs, New York & Cuba Mail S S Co, Tampico
ARROWROOT—200 bbls, Morningstar Nicol, St Vincent
600 bgs, Morningstar Nicol, St Vincent
200 bbls, Morningstar Nicol, St Vincent
ARSENIC—165 bbls, American Smelting & Refg Co, Tampico
BABASSU KERNELS—1,200 tons, General Food Corp, Parnahyba
BANANA POWD—190 bgs, Sarub Co, Cortes
BARK, MED—49 bls, H E Botzow & Co, Manaos
BEEF EXTRACT—223 cs, Buenos Aires
BISMUTH, LEAD—166 cs, Cerro de Pasco Copper Co, Callao
REFINED—123 cs, Cerro de Pasco Copper Co, Callao
BONES—627 bgs, T M Duche & Sons, Karachi
4,565 bgs, Gelatines, Hasselt & Viloorde, S A, Karachi
4,599 bgs, Products Chemiques du Limbourg, Karachi
4,563 bgs, Osseine & Engrais de Selsaete Brussels, Karachi
2,946 bgs, T M Duche & Sons, Karachi
259 bgs, Gelatines, Hasselt & Viloorde, S A, Karachi
274 bgs, Osseine & Engrais de Selsaete Brussels, Karachi
2,688 bgs, T M Duche & Sons, Karachi
4,710 bgs, Karachi
BRISTLES—4 cs, F H Cone & Co, Tientsin
165 cs, S Hirshenhorn & Son, Tientsin
50 cs, S Hirshenhorn & Son, Tientsin
55 cs, F Kanematsu, Tientsin
100 cs, F H Cone & Co, Tientsin
50 cs, Guaranty Trust Co, Tientsin
160 cs, F H Cone & Co, Tientsin
55 cs, F Kanematsu, Tientsin
55 cs, Dairen
40 cs, S Hirshenhorn & Son, Dairen
26 cs, M Broverman & Son, Dairen
20 cs, Dairen
75 cs, Dairen
26 cs, Rubberset Co, Tientsin
50 cs, Bank of London South America, Tientsin
55 cs, F W Von Stade, Tientsin
BRONZE LEAF—3 cs, Swift & Son, Yokohama
CALCIUM, TARTRATE—714 bgs, Charles Pfizer & Co, Buenos Aires
CAMPHOR, REFINED—56 cs, Iwai & Co, Kobe
CASEIN—1 cs, Imex Trading Corp, Buenos Aires
850 bgs, A Hurst & Co, Buenos Aires
CASSIA—158 bls, Padang
115 bls, Padang
VERA—268 bls, Irving Trust Co, Padang
CHEMICALS—10 cs, D C Andrews & Co, Rio de Janeiro
CHINA CLAY—1 pkg, Combustion Engineering Co, Buenos Aires
CHROME ORE—9,000 tons, E J Lavino & Co, Karachi
203 tons, E J Lavino & Co, Karachi
CINNAMON—200 bls, Colombo
100 bls, C T Wilson & Co, Colombo
400 bls, Colombo
CLOVES—1 bg, Catz American Co, Menado
200 bgs, Sainte Marie
500 bgs, Sainte Marie
80 bgs, Corn Exchange Bank Trust Co, Sainte Marie
400 bgs, Corn Exchange Bank Trust Co, Tamatave
200 bgs, French American Banking Corp, Tamatave
COCOA BEANS—250 bgs, Middleton & Co, Trinidad
950 bgs, Curacao Trading Co, Trujillo
2,100 bgs, Curacao Trading Co, Puerto Plata
500 bgs, Wessel, Kulenkampf & Co, Puerto Cabello
100 bgs, W R Grace & Co, Puerto Cabello
250 bgs, W R Grace & Co, Guayaquil
250 bgs, Guayaquil
300 bgs, A Canale, Guavaquil
250 bgs, W R Grace & Co, Guayaquil
250 bgs, Guayaquil
295 bgs, W R Grace & Co, Guayaquil
100 bgs, W R Grace & Co, Guayaquil
383 bgs, Cristobal
84 bgs, Cristobal
183 bgs, Cristobal
1,442 bgs, Superintendence Co, Lagos
1,452 bgs, Superintendence Co, Lagos
742 bgs, Superintendence Co, Lagos
1,600 bgs, Balfour, Guthrie & Co, Accra
1,600 bgs, Superintendence Co, Winnebah
2,000 bgs, Balfour, Guthrie & Co, Accra
2,400 bgs, Superintendence Co, Winnebah
4,000 bgs, Bank of Manhattan, Accra
400 bgs, Balfour, Guthrie & Co, Accra
6,400 bgs, Balfour, Guthrie & Co, Takoradi
1,600 bgs, Balfour, Guthrie & Co, Takoradi
3,200 bgs, Balfour, Guthrie & Co, Takoradi
1,500 bgs, Wood & Selick, Trinidad
250 bgs, J Aron & Co, Trinidad
250 bgs, General Cocoa Co, Trinidad
250 bgs, Middleton & Co, Trinidad
335 bgs, Itacoatiara
4,846 bgs, Standard Bank South Africa, Africa
8,000 bgs, Ambrosia Intercontinental Trading Corp, Africa
5,667 bgs, Balfour, Guthrie & Co, Africa
4,059 bgs, Standard Bank South Africa, Africa
4,800 bgs, Balfour, Guthrie & Co, Africa
4,000 bgs, Bank of Manhattan, Africa
808 bgs, Standard Bank South Africa, Africa
1,600 bgs, Wood & Selick, Africa
800 bgs, Ambrosia Intercontinental Trading Corp, Africa
4,800 bgs, Balfour, Guthrie & Co, Africa
4,000 bgs, Bank of Manhattan, Africa
1,353 bgs, Standard Bank South Africa, Africa
2,239 bgs, Balfour, Guthrie & Co, Africa
3,800 bgs, Superintendence Corp, Africa
COCOA BEANS—1,440 bgs, Standard Bank South Africa, Africa
8,955 bgs, Balfour, Guthrie & Co, Africa
400 bgs, Curacao Trading Co, Trujillo
COCONUTS—1,000 bgs, I L Toledano Corp, Cristobal
535 bgs, Franklin Baker Co, Puerto Barrios
100 bgs, Universal Import & Export Co, Kingston
203 bgs, General Food Corp, Kingston
200 bgs, Kingston
600 bgs, Universal Import & Export Co, St Vincent
COMPOSITION LEAF—3 cs, J Lackow, Kobe
CONCENTRATES—737 dms, American Smelting & Refg Co, Jeddah
12 dms, American Smelting & Refg Co, Jeddah
CORK—25 bls, Henrich & Pearsall, Lisbon
20 bgs, Atlantic Freighting Corp, Lisbon
SHAVINGS—449 bls, Consolidated Cork Corp, Lisbon
400 bls, Consolidated Cork Corp, Lisbon
800 bls, Consolidated Cork Corp, Lisbon
421 bls, Consolidated Cork Corp, Lisbon
VIRGIN—2,285 bls, National City Bank, Lisbon
1,283 bls, Mundet Cork Co, Lisbon
220 bls, Mundet Cork Co, Lisbon
WASTE—993 bls, Mundet Cork Corp, Lisbon
355 bls, Mundet Cork Corp, Lisbon
1,490 bls, Mundet Cork Corp, Lisbon
630 bls, Mundet Cork Corp, Lisbon
WOOD—100 bls, Armstrong Cork Co, Lisbon
1,014 bls, W Lazarus & Co, Lisbon
270 bls, Edmond J Lang, Lisbon
700 bls, G R daSilva, Lisbon
584 bls, Pablo, Calvert & Co, Lisbon
COTTON LINTERS—285 bls, Williamson Product Co, Santos
371 bls, Commercial Natl Bank Trust Co, Santos
359 bls, Hercules Powder Co, Santos
433 bls, Hercules Powder Co, Santos
DERRISROOT—37 bls, Singapore
37 bls, Bank of New York, Tientsin
74 bls, Bank of New York, Tientsin
37 bls, Bank of New York, Tientsin
37 bls, Bank of New York, Singapore
74 bls, Bank of New York, Singapore
DRUGS—352 bgs, Yokohama Specie Bank, Tientsin
EGG YOLK, HEN—56 cs, F Kanematsu & Co, Japan
56 cs, Japan
56 cs, F Kanematsu & Co, Japan
51 cs, F W Stock & Son, Japan
112 cs, Consumers Import Co, Japan
112 cs, Japan
112 cs, Japan
112 cs, Consumers Import Co, Tientsin
112 cs, Stein, Hall & Co, Tientsin
224 cs, J Lowe Corp, Tientsin
168 cs, J Lowe Corp, Tientsin
224 cs, Consumers Import Co, Tientsin
168 cs, Tientsin
ERGOT—20 cks, S B Penick & Co, Lisbon
20 cks, Chase Natl Bank, Lisbon
44 dms, Brown Bros Harriman Co, Lisbon
60 tins, R J Prentiss & Co, Lisbon
FENNEL SEED—94 bgs, Levy & Levis Co, Bombay
60 bgs, McCormick & Co, Bombay
FISH MEAL—306 bgs, Argentine
GAMBIER—140 bgs, L Littlejohn & Co, Singapore
GINGER ROOT—12 bgs, United Fruit Co, Kingston
GLANDS—60 cs, Tupman, Thurlow & Co, Santos
GRAPHITE—250 bgs, Asbury Graphite Mills, Tamatave
800 bgs, Tamatave
250 bgs, National City Bank, Tamatave
500 bgs, Jos Dixon Crucible Co, Tamatave
500 bgs, Tamatave
250 bgs, C E Pettinos, Tamatave
809 bgs, Tamatave
500 bgs, Tamatave
AMORPHOUS—2,000 bgs, Asbury Graphite Mills, Japan
700 bgs, Mitsui & Co, Japan
GRASS, MED—25 bls, S B Penick & Co, Kobe
GUM, COPAL—438 bgs, Stroock & Wittenberg, Matadi
200 bgs, P S Busschaert, Matadi
100 bgs, P S Busschaert, Matadi
200 bgs, P S Busschaert, Matadi
100 bgs, P S Busschaert, Matadi
3 bgs, Far Eastern Representatives, Matadi
535 bgs, Stroock & Wittenberg, Matadi
228 baskets, Chase Natl Bank, Macassar
217 baskets, Manufacturers Trust Co, Macassar
135 baskets, Stroock & Wittenberg, Macassar
211 bgs, Macassar
1 bg, Shippers Storage Co, Africa
DAMMAR—210 bgs, France, Campbell & Darling, Singapore
100 cs, Thurston & Braidich, Batavia
150 cs, Irving Trust Co, Batavia
200 cs, Manufacturers Trust Co, Batavia
200 bgs, O G Innes Corp, Batavia
100 cs, Chase Natl Bank, Batavia
200 cs, Manufacturers Trust Co, Batavia
210 bgs, Macassar
50 bgs, Chase Natl Bank, Batavia
GUAIAC—20 cs, Schutte & Focke, Trujillo
11 bgs, Schutte & Focke, Trujillo
KARAYA—172 bgs, Frank Vliet Co, Bombay
HERBS—165 bgs, Yokohama Specie Bank, Tientsin
IPECAC ROOT—7 bgs, N Brandon & Co, Port Limon
IRON ORE—1 cs, Anglo-American Purch Co, Trinidad
OXIDE — 441 bbls, Reichard-Coulston, Malaga
418 bbls, C J Osborn & Co, Malaga
387 bbls, C K Williams & Co, Malaga
125 bbls, Whittaker, Clark & Daniels, Malaga
50 cks, Wishnick-Tumpeer, Malaga
40 cks, Seatrain Line, Malaga
25 bbls, L H Butcher & Co, Malaga
17 bbls, New York & Cuba Mail S S Co, Malaga
5 bbls, New York & Cuba Mail S S Co, Malaga
KETTLE DROSS—480 cs, Cerro de Pasco Copper Co, Callao
KOLA NUTS—48 bgs, Royal Bank of Canada, Kingston
200 bgs, D Steengrafe, Kingston
193 bgs, W I Carrington, Lagos
205 bgs, W I Carrington, Lagos
125 bgs, W I Carrington, Lagos
244 bgs, Lagos
131 bgs, W I Carrington, Lagos
LIME JUICE—5 hhd, Dominica
LIVER EXTRACT—10 kegs, Milton Snedeker & Co, Havana
LOOFAHS — 15 bls, American Sponge & Chamois Co, Japan
MACE—10 cs, B H Old & Co, Grenada
MANGANESE ORE—800 tons, Illemite Steel Corp, Jeddah
MEDICINAL PREPS—5 cs, S B Penick & Co, Kobe
28 cs, Atlantic Freight Co, Malaga
95 cs, New York & Porto Rico S S Co, Malaga
MICA—1,271 cs, A O Schoonmaker Insulation Co, Fort Daykin
213 cs, Buenos Aires
29 cs, Eugene Munsell & Co, Rio de Janeiro
66 cs, Ford Radio & Mica Co, Rio de Janeiro
124 cs, Rio de Janeiro
25 cs, Ericsson Telephone Sales Corp, Rio de Janeiro
20 cs, A O Schoonmaker Insulation Co, Rio de Janeiro
MINERAL ORE—1 cs, K Amano, Rio de Janeiro
MURU MURU KERNELS—248 tons, General Food Corp, Parnahyba
NUTMEGS—200 bgs, Tandjong Priok
50 bgs, Van Norden & Archibald, Grenada
50 bgs, Middleton & Co, Grenada
100 bgs, Van Norden & Archibald, Grenada
NUX VOMICA—335 bgs, Calcutta
OIL—5 dms, Socony Vacuum Oil Co, Matadi
CANANGA—2 dms, Batavia
CHINAWOOD—200 tons, National City Bank, Japan
CITRONELLA—12 dms, Batavia
12 dms, H P Winter & Co, Batavia
12 dms, Batavia
30 dms, Batavia
20 dms, Procter & Gamble, Batavia
10 dms, National City Bank, Batavia
28 dms, Catz American Co, Batavia
40 dms, Batavia
24 dms, H P Winter & Co, Batavia
40 dms, H P Winter & Co, Batavia
CLOVES—20 bbls, Corn Exchange Bank Trust Co, Sainte Marie
12 bbls, Sainte Marie
4 cks, Messageries Maritime, Tamatave
12 bbls, French Line, Tamatave
19 bbls, Fenerive
20 bbls, French Line, Tamatave
20 bbls, Fenerive
COCONUT—286 tons, Manila
391 tons, Manila
321 tons, Manila
323 tons, Manila
Quantity, Bangoewangi
ESSENTIAL—5 dms, Kobe
53 cs, H A Sothern, Puerto Barrios
10 cs, H A Sothern, Puerto Barrios
EUCALYPTUS—12 dms, Dodge & Olcott Co, Malaga
FUEL—6 dms, Warthington Pulp Co, Barranquilla
GERANIUM—8 dms, Tamatave
4 dms, Tamatave
24 dms, Tamatave
LAVENDER—5 dms, Geo Lueders & Co, Malaga
LIME DIST—14 cs, Dominica
2 dms, Dodge & Olcott Co, Trinidad
16 cs, Fritzsche Bros, Trinidad
8 dms, Dodge & Olcott Co, Trinidad
10 dms, Fritzsche Bros, Trinidad
ORANGE—7 cs, Kingston
30 dms, Nangatuck Aromatica, Conakey
25 dms, Conakey
PALM—464 tons, Belawan Deli
446 tons, Banque Belge pour l'Etranger, Belawan Deli
726 tons, Balfour, Guthrie & Co, Matadi
849 tons, Balfour, Guthrie & Co, Matadi
1,590 tons, Balfour, Guthrie & Co, Matadi
PATCHOULI—6 dms, Batavia
2 dms, Batavia
1 dm, Batavia
2 dms, Bankers Trust Co, Batavia
PENNYROYAL—6 dms, Geo Lueders & Co, Seville
PERILLA—197 tons, Mitsui & Co, Japan
PETITGRAIN—32 cs, Ungerer & Co, Buenos Aires
RAPESEED—100 dms, Kobe
ROSEMARY—25 dms, Norda Essential Oil & Chem Co, Malaga
15 dms, Geo Lueders & Co, Malaga
14 dms, Norda Essential Oil & Chem Co, Seville
1 dm, Alicante
19 dms, Norda Essential Oil & Chem Co, Para
44 dms, Manaos
SPERM—12,230 bbls, Nova Scotia
TEASEED—100 dms, Arnhold & Co, Japan
VETIVER—2 dms, Batavia
PAPPIKA—200 bgs, G W Sheldon & Co, Malaga
20 cs, Seatrain Line, Seville
PARAFFIN—48,000 bgs, Asiatic Petroleum Corp, Balik Papan
840 bgs, Rangoon
1,049 bgs, Rangoon
1,750 bgs, Rangoon
42,480 bgs, Asiatic Petroleum Corp, Balik Papan
3,440 bgs, Asiatic Petroleum Corp, Balik Papan
1,440 bgs, Asiatic Petroleum Corp, Balik Papan
PATCHOULI LEAVES — 5 bls, Givaudan Delawanna, Singapore
10 bgs, Givaudan Delawanna, Singapore
36 bls, Volkart Bros, Singapore
PEPPER, WHITE—168 bgs, H P Winter & Co, Tandjong Priok
210 bgs, H P Winter & Co, Singapore
PETROLEUM RESIDUE—554 dms, Asiatic Petroleum Corp, Balik Papan
PHOSPHATE—60 bgs, J H Parker, Curacao
PHOSPHORUS AMORPHOUS—100 cs, New York Match Co, Lunahamari
PIMENTO—400 bgs, Barclay Bank, Kingston
100 bgs, Barclay Bank, Kingston
100 bgs, A G Dunn, Kingston
50 bgs, E T Leveen, Kingston
50 bgs, Kingston
POTASH CHLORATE — 750 cs, New York Match Co, Lunahamari
500 cs, New York Match Co, Lunahamari
QUASSIA CHIPS—300 bgs, Merck & Co, Kingston
QUEBRACHO EXTRACT—900 bgs, International Product Corp, Buenos Aires
500 bgs, International Product Corp, Buenos Aires
1,561 bgs, Tannin Corp, Buenos Aires
QUICKSILVER—20 flasks, Chase National Bank, Tampico
40 flasks, Chase National Bank, Tampico
31 flasks, Chase National Bank, Tampico
QUININE SULPHATE — 100 cs, Guaranty Trust Co, Batavia
31 cs, Guaranty Trust Co, Batavia
44 cs, Guaranty Trust Co, Tandjong Priok
SARSAPARILLA ROOT—2 bls, United Fruit Co, Kingston
SHELLAC—50 cs, Duncan, Fox & Co, Calcutta
500 bgs, MacLac Co, Calcutta
200 bgs, Lind, Mayer & Co, Calcutta
200 bgs, E J Cornelis & Co, Calcutta
SEEDLAC—200 bgs, E J Cornelis & Co, Calcutta
500 bgs, Mantrose Corp, Calcutta
300 bgs, MacLac Co, Calcutta
200 bgs, Gillespie Rogers Pyatt Co, Calcutta
200 bgs, Dings & Schuster, Calcutta
500 bgs, Ralli Bros, Calcutta
100 bgs, Mantrose Corp, Calcutta
SILVER SULPHIDE—114 pkgs, Antofagasta
SPONGES—2 bls, Havana
REFUSE—17 bls, Havana
TAMARINDS—3 bbls, Murbas Trading Co, St Lucia
TANKAGE, RENDERED—1,000 bgs, H J Baker & Bros, Buenos Aires
2,023 bgs, Van Idelstine Co, Buenos Aires
TAPIOCA FLOUR—500 bgs, Tjilatjap
500 bgs, Stein, Hall & Co, Tjilatjap
250 bgs, Irving Trust Co, Cheribon
250 bgs, Cheribon
600 bgs, Irving Trust Co, Tandjong Priok
250 bgs, Batavia
250 bgs, Chase Natl Bank, Batavia
250 bgs, Batavia
250 bgs, Chase Natl Bank, Cheribon
500 bgs, Cheribon
500 bgs, Batavia
276 bgs, Sourabaya
2,797 bgs, Stein, Hall & Co, Sourabaya
4,411 bgs, Chase Natl Bank, Sourabaya
500 bgs W R Grace & Co, Semarang
3 bgs, Seligman & Co, Semarang
500 bgs, Cheribon
1,250 bgs, Cheribon
1,000 bgs, Bank of New York, Cheribon
554 bgs, Irving Trust Co, Cheribon
540 bgs, Irving Trust Co, Cheribon
250 bgs, Batavia
1,090 bgs, H P Winter & Co, Cheribon
GRIST—68 bgs, Stein, Hall & Co, Sourabaya
PEARL—670 bgs, Stein, Hall & Co, Sourabaya
SEED—212 bgs, Cheribon
TARTAR — 230 bgs, Charles Pfizer & Co, Malaga
924 bgs, Charles Pfizer & Co, Barcelona
THYME LEAVES—372 bgs, Alicante
TIN ORE—1,180 bgs, W & A Leaman, Africa
TOLU BALSAM—19 cs, Wessel, Duval & Co, Barranquilla
10 cs, Wessel, Duval & Co, Barranquilla
TUCUM KERNELS—50 tons, General Food Corp, Parnahyba
VANADIUM ORE — 4,936 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—25 cs, Philadelphia National Bank, Tamatave
302 cs, J Manhelmer, Tamatave
58 cs, Irving Trust Co, Tamatave
24 cs, Tradesman National Bank, Tamatave
95 cs, French American Banking Corp, Tamatave
184 cs, Philadelphia National Bank, Tamatave
11 cs, Tamatave
WAX, BEES—30 bgs, Schutte & Focke, Trujillo
32 cs, Schutte & Focke, Trujillo
31 bgs, Bingham & Co, Puerto Barrios
19 bgs, Tampico
21 bgs, Schutte & Focke, Tampico
CANDELILLA—1,017 bgs, M Argueso & Co, Tampico
CARNAUBA—63 bgs, Strohmeyer & Arpe Co, Para
125 bgs, Strohmeyer & Arpe Co, Para
103 bgs, W M Allison & Co, Para
63 bgs, Strohmeyer & Arpe Co, Para
REFINED—847 bgs, Standard Oil Co of N J, Palembang
1,270 bgs, Standard Oil Co of N J, Palembang
SPERMACETI — 50 bgs, Anglo-American Trading Co, Valparaiso
VEGETABLE—200 cs, H H Rosenthal & Co, Kobe
WHALE PRODUCTS—15 bbls, Nova Scotia
WOLFRAM ORE—978 bgs, W R Grace & Co, Mollendo
YEAST—1 pkg, Standard Brands, Barranquilla
1 cs, Rio de Janeiro

New York Transit Imports

CAMPHOR, CRUDE—500 cs, Eastman Kodak Co, Japan, Rochester
CELERY SEED—125 bgs, J Lusben & Co, Bombay, Toronto
GLANDS, BEEF SUPRARENAL—4 trcs, Parke, Davis & Co, Buenos Aires, Detroit
3 trcs, Parke, Davis & Co, Montevideo, Detroit
MAGNESITE, CALC—40 bgs, Madras, Montreal
10 cs, Madras, Montreal
OIL, CASTOR—340 cs, H & S M Thomson, Bombay, Montreal
507 cs, H & S M Thomson, Bombay, Montreal
120 cs, Guaranty Trust Co, Bombay, Montreal
PEANUT—479 tons, Canada Packers, Ltd, Japan, Canada
PARAFFIN—80 bgs, Calcutta, Montreal
QUARTZ—34 cs, General Electric Co, Rio Janeiro, Cleveland
QUEBRACHO EXTRACT—1,050 bgs, International Product Corp, Buenos Aires, Acton
350 bgs, International Product Corp, Buenos Aires, Coburg
800 bgs, International Product Corp, Buenos Aires, Toronto

Baltimore Imports

BONEMEAL—2,204 bgs, Borgas; 4,452 bgs, Rosario
BONES—1,000,000 lbs, Montevideo
CHROME ORE—510 tons, Lourenco Marques; 4,305 tons, Bethlehem Steel Co, Pastellillo; 1,275 tons, Thessaloniki
COTTONSEED MEAL—5,000 bgs, Santos
IRON ORE—5,796 tons, Bethlehem Steel Co, Daiquiri; 22,300 tons, Bethlehem Steel Co, Cruz Grande; 11,500 tons, Bethlehem Steel Co, Cruz Grande
MANGANESE ORE—6,950 tons, Rio Janeiro; 1,500 tons, Iloilo; 7,634 tons, Durban; 6,300 tons, Vizagapatam
MOLASSES—1,414,248 gal, Cuba Distilling Co, Nuevitas
OIL, FUEL—92,000 bbls, Standard Oil Co, N J, Aruba
OLIVE—200 dms, Piraeus
SODA NITRATE—1,326 tons, Tocopilla
TANKAGE—1,016 bgs, Buenos Aires; 1,016 bgs, Montevideo; 990 bgs, Buenos Aires
WATTLE BARK—504 bgs, Durban

Boston Imports

ALUMINUM LEAF—3 cs, Japan
COCOA BEANS—500 bgs, Japan
250 bgs, Wood & Selick, Japan
250 bgs, General Cocoa Co, Japan
COTTONSEED MEAL—200 bgs, Santos
4,480 bgs, Santos
6,522 bgs, Santos
1,087 bgs, Santos
GAMBIER—122 cs, L Littlejohn & Co, Singapore
MICA SPLITTINGS—165 cs, First Natl Bank, Fort Daykin
SESAME SEED—180 bgs, Boston Brokerage Co, Japan
TAPIOCA FLOUR—400 bgs, Tjilatjap
166 bgs, Tjilatjap
300 bgs, Irving Trust Co, Batavia
276 bgs, First Natl Bank, Sourabaya
276 bgs, Chase Natl Bank, Sourabaya
1,513 bgs, Central Hanover Bank Trust Co, Sourabaya
1,103 bgs, Central Hanover Bank Trust Co, Sourabaya
250 bgs, W R Grace & Co, Semarang
544 bgs, Irving Trust Co, Cheribon
500 bgs, First Natl Bank, Cheribon
2,600 bgs, Balfour, Guthrie & Co, Pamanoekan

Charleston Imports

TAPIOCA FLOUR—250 bgs, Irving Trust Co, Tandjong Priok
600 bgs, Irving Trust Co, Tandjong Priok

Los Angeles Imports

BONE MEAL—1,000 bgs, 100,000 lbs, Tsgintao
CANARY SEED—55,200 lbs, Buenos Aires; 55,000 lbs, Argentina
COCONUTS—7,000 lbs, Colon
COPRA—2,240,000 lbs, Phil Islands
MEAL—12,000 bgs, 1,200,000 lbs, Manila; 8,960 bgs, 896,000 lbs, Manila; 8,900 bgs, 890,000 lbs, Phil Islands; 8,000 bgs, 800,000 lbs, Manila
DRUGS CRUDE—2,200 lbs, Hongkong; 700 lbs, Hongkong; 160 lbs, Yokohama; 80 the Hongkong
FISH LIVERS—122 tins, 4,880 lbs, Japan, 2,047 tins, 81,880 lbs, Yokohama
GINGER ROOT—500 lbs, Hongkong
INK BLACK—800 lbs, Tokyo
IRON OXIDE—27,650 lbs, Malaga
LIVER MEAL—56,000 lbs, Buenos Aires
MARJORAM LEAVES—1,260 lbs; Santiago de Chile
MEDICINAL PREPS—280 lbs, Hongkong; 610 lbs, Yokohama
OIL, CHINAWOOD—83,500 lbs, Hongkong; 37,380 lbs, Shanghai; 189,000 lbs, Hongkong
OLIVE—32,490 lbs, Athens
PEANUT—3,600 lbs, Hongkong
PAPAYA LEAVES—800 lbs, Ceylon
PARAFFIN—1,694 bgs, 224,030 lbs, Soengi Gerong
PEANUT MEAL—200,000 lbs, Tsingtao; 1,966 bgs, 269,900 lbs, Tsingtao
PEATMOSS—309,120 lbs, Glasgow
PEPPER—450 bgs, 67,030 lbs, Lampong
POTASH NITRATE—2,500 bgs, 249,980 lbs, Chile
QUEBRACHO EXTRACT—161,480 lbs, Asuncion
RAPESEED—21,750 lbs, Buenos Aires
TANKAGE—200,070 lbs, Sao Paulo; 129,920 lbs, Montevideo; 309,700 lbs, Buenos Aires; 112,000 lbs, Sao Paulo; 112,000 lbs, Buenos Aires
TAPIOCA FLOUR—7,900 lbs, Hongkong
SEED—20,960 lbs, Batavia
WASHING COMP—360 lbs, Hongkong
WHITING—74,800 lbs, Liverpool

Norfolk Imports

BLOOD, DRIED—600 bgs, J C Jett & Co, Buenos Aires
1,000 bgs, J C Jett & Co, Buenos Aires
BONE MEAL—1,000 bgs, Buenos Aires
RESIDUE—556 bgs, Rio Janeiro
BONES—361 bgs, Hafliegh & Co, Buenos Aires
277 bgs, Buenos Aires
LIVERMEAL—1,000 bgs, J C Jett & Co, Buenos Aires
MANGANESE DIOXIDE ORE—Quantity, Tjilatjap
QUEBRACHO EXTRACT—2,000 bgs, International Product Corp, Buenos Aires
TANKAGE—1,016 bgs, H J Baker & Bros, Buenos Aires
1,004 bgs, Charles Hollinshed Co, Buenos Aires
2,240 bgs, Buenos Aires
2,000 bgs, J C Jett & Co, Buenos Aires
1,016 bgs, Buenos Aires
1,815 bgs, Armour & Co, Santos
2,032 bgs, Buenos Aires
TAPIOCA FLOUR—260 bgs, H P Winter & Co, Cheribon
500 bgs, Irving Trust Co, Cheribon
250 bgs, H P Winter & Co, Cheribon
259 bgs, Irving Trust Co, Cheribon

Philadelphia Imports

COCOA BEANS—4,000 bgs, Lagos; 11,291 bgs, Balfour, Guthrie & Co, Apapa
7,040 bgs, Balfour, Guthrie & Co, Adda
6,464 bgs, Standard Bank of South Africa, Accra
3,200 bgs, Phila National Bank, Accra
3,200 bgs, Intercontinental Trading Corp, Accra
4,800 bgs, Balfour, Guthrie & Co, Accra
7,360 bgs, Balfour, Guthrie & Co, Winneba
7,000 bgs, Barclay's Bank, Takoradi
250 bgs, Bank of London & South America, Victoria
CORK, VIRGIN—4,522 bls, Armstrong Cork Co, Lisbon
WASTE—3,391 bls, Armstrong Cork Co, Lisbon
7,370 bls, Armstrong Cork Co, Lisbon
CRYOLITE—3,000 tons, Penna Salt Mfg Co, Ivigtut
MOLASSES—1,392,548 gls, E I du Pont de Nemours & Co, Inc., San Pedro, Cuba
1,574,030 gls, Publicker Alcohol Co, Preston & Pastelillo
PEPPER, WHITE—172 bgs, Batoeroesa
PETROLEUM, CRUDE—22,834 bbls, Gulf Oil Corp, Las Piedras
68,344 bbl, Gulf Oil Corp, Las Piedras
TAPIOCA FLOUR—420 bgs, National City Bank of New York, Sourabaya
250 bgs, Chase National Bank, Cheribon
362 bgs, Irving Trust Co, Cheribon

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended Aug. 21

Codliver oil, 60 drums, deficient in vitamin D.

Cassia oil, 65 drums; not U.S.P.

Nutmegs, 1,247 bags; restricted use.

Medicinal preparations, 1 parcel; new drug.

Medicinal preparations, 15 cases, 2 bales; not properly labeled.

Medicinal preparations, 1 parcel; no warning statement and false therapeutic claims.

Medicinal preparations, 10 cases; false therapeutic claims.

Medicinal preparations, 24 tins; no active ingredient statement; no quantity of contents; false therapeutic claims.

Medicinal preparations, 1 case; false therapeutic claims; dangerous drug.

Buffalo

Week Ended Aug. 21

Gum, arabic, 220 pounds; not U.S.P.

Medicinal preparations, 3 cartons; dangerous to health.

Medicinal preparations, 2 parcels; false therapeutic claims.

Los Angeles

Week ended August 8

Nut oil, 5 cases; decomposed.

Philadelphia

Week Ended Aug. 21

Medicinal preparation, 1 box; dangerous to health.

San Francisco

Week Ended August 15

Medicinal, 200 pieces; false and misleading statements.

Medicinals, 720 pieces; false therapeutic claims.

Exports from U.S. Ports

Los Angeles Exports

ACID, BORIC—140 bgs, 15,680 lbs, Calcutta; 64 pkgs; 8,480 lbs, Vancouver; 40 bgs, 4,480 lbs, Madras
CITRIC—5,600 lbs, Manila
SULPHURIC—4,550 lbs, Manila
ASPHALT, Lig—8 dms, 4,460 lbs, Bombay
SOLID—513 dms, 224,000 lbs, Singapore/Port Swettenham/Penang
BLACK, CARBON—4,500 lbs, Bombay
BORATE—10,244 bgs, 1,766,790 lbs, Osaka; 4687 bgs, 778,080 lbs, Liverpool; 5,595 bgs, 1,007,400 lbs, Liverpool
BORAX—2,604 bgs, 434,870 lbs, Osaka; 10 bgs, 1,120 lbs, Calcutta; 214 pkgs, 21,530 lbs, Vancouver; 180 bgs, 19,850 lbs, Santos; 50 bgs, 5,600 lbs, Bombay; 300 bgs, 33,600 lbs, Karachi; 130 cs, 13,000 lb Manila
CEMENT RUBBER—120 lb, Hongkong
CLAY, FILTER—1,320 sx, 64,960 lbs, Santos
COLOR, DRY—1,000 lbs, Buenos Aires
DIATOMACEOUS EARTH—672 bgs, 67,200 lbs, Calcutta; 100 bgs, 10,000 lbs, Rio Janeiro, 200 bgs, 20,000 lbs, Santos; 1,926 bgs, 192,600 lbs, Liverpool; 10 bgs, 400 lbs, Liverpool
DISTILLATE—645 dms, 229,830 lbs, Hongkong
FILM SCRAP—1,520 lbs, Hongkong
GASOLINE—500 cs, Manila; 60,104 bbls, Manila/Cebu, 49,132 bbls, Manila/Cebu; 3,000 cs, Cebu
GREASE—13 pkgs, 1,920 lbs, Batavia; 5 cs, 180 lbs, Samarang; 1 cs, 50 lbs, Medan; 2 cs, 100 cs, Sourabaya
LUBRICATING—800 lbs, Medan; 2,000 lbs, Batavia; 800 lbs, Sourabaya; 800 lbs, Semarang
HERBS—1,960 lbs, London
INSECTICIDE—4,360 lbs, Calcutta
KEROSENE—3,000 cs, Manila; 100 dms, Manila; 25,537 bbls, Manila/Cebu; 4,000 cs, Cebu
LACQUER—4,060 lbs, Manila; 620 lbs, Bombay; 780 lbs Santiago; 1,560 lbs, Bombay
THINNER—3,170 lbs, Manila; 16,970 lbs, Singapore; 5,760 lbs, Bombay; 7,920 lbs, Bombay
MEDICINAL PREPS—100 lbs, Manila
OIL, COTTONSEED—24,370 lbs, Manila
DIESEL—35,456 bbls, Tsurumi/Kamaishi
FUEL—92,157 bbls, Manila; 54,055 bbls, Yokosuka; 35,509 bbls, Tsurumi/Kamaishi; 25,186 bbls, Vancouver; 25,186 lbs, Vancouver
LUBRICATING—75 dms, Manila; 12 dms, Medan; 30 dms, Batavia; 15 dms, Sourabaya; 9 dms, Semarang; 270 dms, Calcutta; 21 pkgs, Medan; 100 pkgs, Sourabaya; 137 pkgs, Batavia; 66 pkgs, Samarang; 45 pkgs, Manila
PAINT—180 lbs, Manila; 17,660 lbs, Tandjong Oeban; 150 lbs, Santiago
ENAMEL—630 lbs, Batavia; 630 lbs, Sourabaya
PECTIN, CITROUS—2,000 lbs, Tel Aviv
PETROLEUM, CRUDE—49,540 bbls, Ioco
GAS, LIQ—30 cyls, 6,750 lbs, Bombay
PUTTY, GLAZING—310 lbs, Manila
RUBBER COMP—400 lbs, Manila
SOAP POWDER—2,910 lbs, Vancouver
TOILET—420 lbs, Shanghai
SODA ASH—220,500 lbs, Sao Paulo; 45,000 lbs, Porto Alegre; 77,000 lbs, Sourabaya
SOLVENT—8 dms, 2,770 lbs, Buenos Aires
RUBBER—290 lbs, Manila
SULPHUR, POWD—2,000 lbs, Batavia
TOILET PREPS—410 lbs, Hongkong; 1,170 lbs; Bogota; 820 lbs, Aruba; 5,610 lbs, Manila
ZINC PASTE—800 lbs, Tandjong Oeban

New Orleans Exports

FIRECLAY—13 tons, Havana; 8 tons, Cristobal
GLUCOSE—10 tons, Havana
KEROSENE—20 tons, Belize; 104 tons, Puerto Barrios; 2 tons, Puerto Cabezas
LARD—18 tons, Santa Marta; 54 tons, Santiago; 13 tons, Belize; 71 tons, Havana
OIL, DIESEL—175 tons, Celba
FUEL—46 tons, Golfito; 167 tons, Quepos; 410 tons, Celba
LUBRICATING—17 tons, Cristobal
PINE—9 tons, West Coast South America
PARAFFIN—12 tons, Havana; 12 tons, Santiago; 97 tons, Cristobal
PITCH, COALTAR—16 tons, Colon
ROSIN—127 tons, Cristobal
SALT—20 tons, Belize; 20 tons, Puerto Barrios
ROCK—50 tons, Havana
SODA, CYANIDE—22 tons, Puerto Cabezas

Philadelphia Exports

BENZOL—10 dms, Pernambuco; 11 dms, Santos
GREASE, LUBRIC—120 dms, Dairen
INK—2 cs, Buenos Aires
LICORICE PASTE—15 cs, Rio de Janeiro
OIL, LUBRIC—200 cases, 1 dm, Santos; 31 bbl, Buenos Aires; 445 cases, Yokohama; 570 dms, Dairen; 350 dms, Rio de Janeiro
RESIN, SYNTH—17 bbls, Buenos Aires

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Ammonia Sulphate:—A United Kingdom regulation makes it obligatory for British producers of ammonium sulphate to pay the government certain specified rates on all future deliveries of sulphate for agricultural use. On deliveries of 2 hundredweight or over of sulphate to mixers, merchants, or agricultural consumers the rate ranges from £1 2s. 9d. for deliveries of 6 tons or more to £2 2s. 9d for deliveries under one ton. Sulphate producers making mixed fertilizer are required to pay the government £1 1s. 9d. a long ton for the ammonia sulphate consumed in producing mixed goods.

Arsenicals:—The United Kingdom Board of Trade has announced that the exportation of calcium arsenate, lead arsenate, and sodium arsenate to any destination is subject to license.

Cottonseed Oil:—Cuba requires that imports of hydrogenated cottonseed oil of United States origin must be accompanied by a notarized export certificate, legalized by a Cuban consul, in order to obtain the benefit of the Cuban rate of import duty of 3.01 pesos per 100 gross kilos. This certificate must state that the hydrogenated oil is a product of cottonseed and that it has not been subject to drawback in the United States customs. Such imports not accompanied by the required certificate of export are dutiable at the rate of 16 pesos per 100 kilos, plus a consumption tax of 1 centavo per pound.

Lithopone:—The Syrian and Lebanon import duty on lithopone and zinc oxide colors, even mixed with inert materials, coloring earths or coloring material derived from coaltar, was reduced from 25 percent to 11 percent ad valorem.

Medicinals:—Mexico has removed the restrictions which were placed some time ago upon the exportation of medicinals and materials for the manufacture of such products.

Origin Certificates:—Netherland Indies requires that certificates of origin accompany imports from the United States. No specific form of certification has been prescribed.

Paraguayan Imports:—A uniform conversion rate of 1 to 119.32 has been established for converting the gold peso rates of duty of the customs tariff into paper pesos in which import duties are actually paid. The new conversion rate does not apply to the customs surtaxes of 5.5 percent, 7 percent, 9 percent, or 14 percent of the f.o.b. port of export value, depending on the kind of merchandise, nor to the consumption tax of 10 percent of the basic rates of duty, which are converted at 1 to 79.5454, the "official" rate for converting gold into paper pesos.

Pectin:—Australia has doubled the quota of fruit pectin which may be imported from non-sterling countries.

Pigments:—Bohemia and Moravia have placed an embargo up to the end of 1940 on the establishment of new plants and the expansion of the capacity of existing plants in the field of chemical and mineral pigments. The embargo applies to white lead, red lead, litharge, zinc white, lithopone, and other chemicals as well as mineral pigments. The purpose of the embargo appears to be the coordination of the production of Sudeten and Protectorate producers.

Peruvian Payments:—A Peruvian decree provides that export duties established in foreign currencies must be paid in gold or in a currency maintaining a fixed relation to gold, and that conversion will be made at the same rate as applied when the export duties in pounds sterling were established.

Petrolatum:—Germany, in order to prevent the use of petrolatum for purposes not considered vital, prohibits its use in cosmetic preparations, insulating materials, putties, cleansing paste, greases and plastics for moulding.

Printing Inks:—Straits Settlements requires an import license for printing inks.

Talc:—The United Kingdom Board of Trade has announced the revocation of the existing open general license for the importation of talc, steatite, and soapstone, ground or unground, including French chalk and asbestine. Individual licenses are now required for imports of these products.

Tonic Salts:—A Peruvian resolution classifies "tonic salts for cattle" as duty-free.

Turkey Exports:—The exportation, and transit and reexport of nearly all products from Turkey has been made subject to license.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—26,981 bbls, Oleum; 1,063 bbls, San Diego; 1,202 bbls, San Diego; 3,314 bbls, San Diego; 72,428 bbls, Seattle; 46,697 bbls, Portland; 36,388 bbls, Richmond; 74,900 bbls, Seattle; 71,057 bbls, Oakland; 46,683 bbls, Portland; 4,400 bbls, San Diego; 46,700 bbls, Tacoma; 3,350 bbls, San Diego; 1,412 bbls, San Diego; 2,545 bbls, San Diego; 75,009 bbls, Seattle
KEROSENE—2,192 bbls, Oleum; 5,735 bbls, Portland; 2,186 bbls, Portland
OIL, DIESEL—2,820 bbls, San Diego; 1,476 bbls, San Diego; 8,132 bbls, Portland; 5,424 bbls, Oakland; 4,700 bbls, Tacoma; 5,545 bbls, Seattle
FUEL—64,150 bbls, Davenport; 2,400 bbls, Portland; 33,937 bbls, Portland; 9,049 bbls, Seattle; 31,232 bbls, Portland; 68,819 bbls, San Diego; 67,015 bbls, Portland
FLUSHING—2,503 bbls, Davenport
FURNACE—8,113 bbls, Portland; 6,110 bbls, Tacoma
PETROLEUM, CRUDE—35,616 bbls, Oleum; 69,162 bbls, Avon
SOLVENTS—2,020 bbls, Portland

Aluminum Sulphate Discussed In General Chemical Booklet

How aluminum sulphate helps guard the nation's health is described in a booklet just published by the General Chemical Company, industrial chemical manufacturer. The work discusses the properties of General Chemical aluminum sulphate, and its use in the purification of water and the treatment of sewage. Copies of the booklet are available on request to the General Chemical Company, 40 Rector street, New York, by mentioning the REPORTER.

Johns-Manville Corporation, manufacturer of building supplies, this city, will reemploy without loss of company benefits any of its 10,000 employees called for a year's military training under the proposed selective service or National Guard acts.

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Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
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SUCCESSFUL and well-rated importers and wholesalers established in New York City nearly a quarter of a century, maintaining large warehouse with railroad siding. Have excellent contacts with leading consumers principally in paint, rubber, paper and cosmetic industries. Invite correspondence with producers of dry colors, inerts and chemical specialties who are seeking expert eastern sales representation. BOX 998, Oil, Paint and Drug Reporter.

IF YOU can offer pigments or paint oils to advantage and would be interested in Ohio representation, address BOX 116, Oil, Paint and Drug Reporter.

Businesses Wanted

WE WANT to buy a business in proprietary medicines or ethical pharmaceutical preparations—preferably two or three items. Need not have a national sale but an annual turnover of, say $25,000 and upwards. Should have made reasonable profits over a period of recent years. We are not brokers. Have had experience in sale of medicines and pharmaceuticals for many years. All correspondence will be considered confidential. BOX 112, Oil, Paint and Drug Reporter.

Capital Wanted

ASSOCIATE wanted in metropolitan area, possessing equipment plus financial backing to manufacture specialized paint and emulsified industrial specialties. Control over $60,000 in business, plus technical and sales connections. BOX 117, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

Equipment Offered

FOR SALE—Patterson 1,000 gal. mixing tanks; Ross 26 in. stone mills with iron mill feeds; Day Jumbo jacketed mixer, 680 gals.; pebble and ball mills, 50 to 1,000 gals.; Day, Ross roller mills, 12 in. x 32 in.; Day powder mixers, 200 to 2,000 lbs.; jar mills, 1 to 10 gals.; pony mixers, 8 to 40 gals.; Shriver wood and iron filter press, 12 in. to 42 in. square; steel jacketed mixing tanks; colloid mills, U. S. and Premier, etc. Send for latest bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

PULVERIZER, 16-inch Schultz O'Neill, with dustless receiver box, without motor. Also one No. 1 Day invincible mixer with 2 H.P. 220 A.C. 60 cycle 3 phase motor direct connected. Both machines practically new. 50 gallon capacity. M. S. Eichenberg, 1439 Grand avenue, Kansas City, Mo.

FIND what you want right in New York City Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Company, 123 Bleecker street. SPring 7-8955.

Equipment Wanted

WANTED — For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixer, pulverizer. No dealers. BOX 979, Oil, Paint and Drug Reporter.

WANTED—Used steam jacketed filter press, complete, in good condition, suitable for use on fish meal sludge. BOX 115, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY, one-story, 6,000 sq. ft., concrete floor with drains, 20-foot headroom, live steam available, yard. Unrestricted district in Brooklyn. Low rent. The R. L. Kraft Company, Woolworth Building, New York City. COrtlandt 7-9377.

Materials Wanted

REGULAR SUPPLIES wanted manganese chloride (crystals and anhydrous), also precipitated manganese peroxide dry powder, 20 ton lots, c.i.f. Liverpool. Send quotations, samples, analyses, stating earliest delivery, Everitt & Co., Ltd., 40 Chapel street, Liverpool, England.

Positions Vacant

SPLENDID OPPORTUNITY for energetic, experienced man with sound knowledge chemical trade, domestic market, also import-export trade. Full details and references desired. BOX 114, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST-LIBRARIAN, M.A. ('36), Columbia University. Background of applied technology (metals, petroleum, organic synthesis), practical library and trade paper experience. Patent and literature surveys. Research in all phases of chemical economics, marketing, and product promotion. BOX 102, Oil, Paint and Drug Reporter.

EXPERT FORMULATOR of finishes desires opportunity in paint factory; twenty-five years' experience; complete knowledge of paint, varnish, enamels, as well as synthetic resin applications; willing to go into manufacturing; appreciate opportunity to show worth. BOX 106, Oil, Paint and Drug Reporter.

EXECUTIVE or assistant, wholesale drugs, chemicals, pharmaceuticals, allied trades, all around man thoroughly experienced wholesale buying, selling, for domestic, import-export markets, accustomed large volume business, solicits interview. BOX 989, Oil, Paint and Drug Reporter.

ORGANIC CHEMIST, B.S., M.S., age 27, single; five years' experience in research and development work on pigments, intermediates, and printing inks; organic syntheses; excellent industrial and academic record. BOX 108, Oil, Paint and Drug Reporter.

CHEMIST—experienced in formulation, research, production, and development of enamels, varnishes, lacquers, tung oil substitutes, waxes, esters, fatty acids, resins, other coating materials, desires opportunity to prove his ability with progressive firm. BOX 109, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, 3 years' industrial and mechanical experience; have process, machine design, construction, colloidal background; able to handle men and myself, have excellent economic sense; want opportunity to prove myself. BOX 113, Oil, Paint and Drug Reporter.

Positions Wanted

EXECUTIVE SALESMAN, successfully identified with chemical and allied interests for twenty years; wide experience; knows markets; possesses sound business judgment and capable of getting and building business. Investigation of his background will prove enviable record of accomplishment and substantial earning power. Available immediately. BOX 110, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers — if you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

WE HAVE facilities for manufacturing, drying, grinding, pulverizing, mixing and packing special chemicals. Location, Brooklyn. Let us quote on your requirements. BOX 994, Oil, Paint and Drug Reporter.

Services Wanted

CONCERN WANTED to calcine a clean, non-metallic ore in carload lots, preferably located in Rocky Mountain section or middle west. Desire any information available. BOX 111, Oil, Paint and Drug Reporter.

Surplus Stock

WILL BUY—Your surplus or off-grade chemicals, oils, waxes, pharmaceuticals, gums, by-products, residues. For quick action phone Mr. Gelb, WAlker 5-4250, Barclay Chemical Company, Inc., 75 Varick street, New York.

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—Continued from page 45

barrel; No. 5, 75c. to 80c.; No. 6, 60c. to 70c.

New Orleans—August 21

The domestic market again evidenced a firm trend during the week, with no change in quoted prices. U. S. motor gasoline was 5¼c. 63-67, 5½c. and 70-72, 6c.—the foregoing prices being on a per gallon basis at refinery. Kerosene remained unchanged at 7½c. per gallon at refinery. Bunker C fuel oil was 80c. per barrel at terminal and 85c. per barrel delivered alongside. The price to industrial plants was $1.46 per barrel, delivered alongside.

Tulsa—August 22

A substantially broader market in nearly all products developed during the week. Inquiries for gasoline have been more numerous than at any time since the latter part of June and some good sized orders have been placed. However, no important change developed in the price situation. The large demand for heavy oils continues and the steel industry has been inquiring for deliveries over the next few weeks quite actively. It is also felt that the national defense program will mean a substantial pick-up in the consumption of heavier oils. In the meantime the Fall plowing season is approaching and an increase of orders of medium light ends will appear.

GASOLINE.—U. S. Motor third grade, 60-62 octane, 3½c. to 4⅛c. per gallon; 63-66, 4c. to 4½c. and regular 72-74, 4½c. and regular 72-74, 4½c. to 4⅞c.

KEROSENE.—The 41-43 grade, 3¾c. to 3⅞c. per gallon and the 42-44, 3⅞c. to 4⅛c.

NATURAL GASOLINE.—The 26-70 grade is 1¼c. in Texas and 1½c. to 1⅝c. in Oklahoma, while the 18-55 grade is 1½c. in Texas and 1¾c. to 1⅞c. in Oklahoma.

DISTILLATES.—No. 1 prime white and straw are 3¼c. to 3½c. per gallon. No. 2 straw is 3½c. to 3⅝c.

FUEL OILS.—The heavy gravities below 16 degrees continue at 50c. to 55c. per barrel and the 18-22 is 72½c. to 77½c.

LUBRICANTS.—Trading this week has been the broadest of any recent weeks. Prices are holding well. Bright stocks remain at 13c. to 18c. per gallon and neutrals at 8c. to 13½c.

Skelly Oil to Recondition Two Cracking Units

The Skelly Oil Company, Chicago, will spend $250,000 to recondition two cracking units of its El Dorado, Kan., refinery. New equipment is being installed at the company's natural gas plant at Shidler, Okla., to process 8,000,000 cubic feet of gas. Residue gas will be moved to South Burbank field for repressuring and refinery products will be moved by Great Lakes Pipe Line Company to Kansas City for blending.

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2—Devine 5 ft. by 33 ft. Rotary Vacuum Dryers; other sizes from 2' x 6' up.
1—Louisville 4 ft. 6 in. by 20 ft. Steam Tube Dryer.
12—Vacuum Shelf Dryers, all sizes.
1—Zaremba Triple effect Evaporator, 2,100 sq. ft. per effect.
1—9 ft. Copper Vacuum Coil Pan.
1—W. & P. Vacuum Mixer, 100 gal.; other W. & P.'s, 2 gal. to 2,650 gal.
7—3-roll Roller Mills, up to 16 by 40.
1—6' underdriven Putty Chaser, double rollers.
1—5' by 22" Hardinge Conical Ball Mill.
12—Ball Mills, 10 gal. to 500 gal.
2—Shriver 32 in. x 32 in. castiron Filter Presses, recessed, center feed, 30 plates; other sizes from 7" x 7" to 42" x 42".
1—Oliver 8 ft. x 12 ft. Rotary Continuous acid proof Filter.
2—Dopp Jacketed Kettles—500, 650 gals.
1—700 gal. Duriron jacketed Kettle.
1—Day 80 gal. Brighton Change Can Mixer.
2—No. 10 Sweetland Filters, 2" and 2½" c.c.; others all sizes.
14—Centrifugal Extractors, 16" to 60".

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Mississippi Oil Refinery To Utilize Yazoo Crude

Vicksburg, Aug. 20, 1940

The State's first oil refinery, using Mississippi crude oil, went into operation here recently with 1,000 barrels of petroleum products flowing from the refinery machinery into a series of tanks to await marketing. The refinery with a daily capacity of 4,000 barrels, will utilize products from the State's new oil field in Yazoo county.

Federal Creosoting Company is erecting the creosoting plant at Sidney, N. Y., which is an affiliate of the American Creosoting Company, Louisville, Ky., and not a subsidiary of the American Lumber & Treating Company, as erroneously reported in the July 29 issue of the REPORTER.

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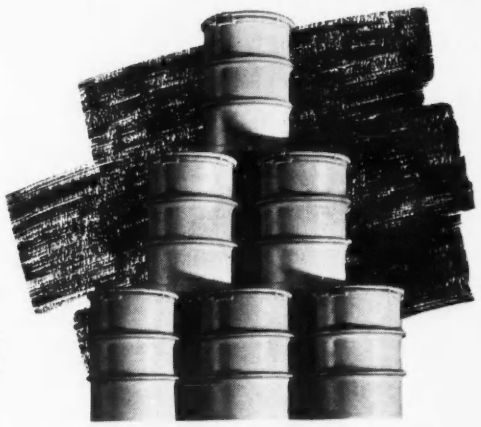

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Then the new special Hackney welded chime construction (see cross section at right) provides a smooth surface which may be thoroughly cleaned without difficulty. There are no cracks or crevices where foreign matter can lodge. The I-bar hoops increase resistance to rough handling and abuse. The long life and extra durability of Hackney Drums are outstanding in solving container problems efficiently and economically.

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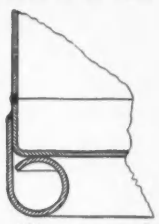

The special Hackney butt-welded bottom chime construction is exceptionally strong. There are no cracks or crevices. Being without recesses, it enables easy, positive cleaning.

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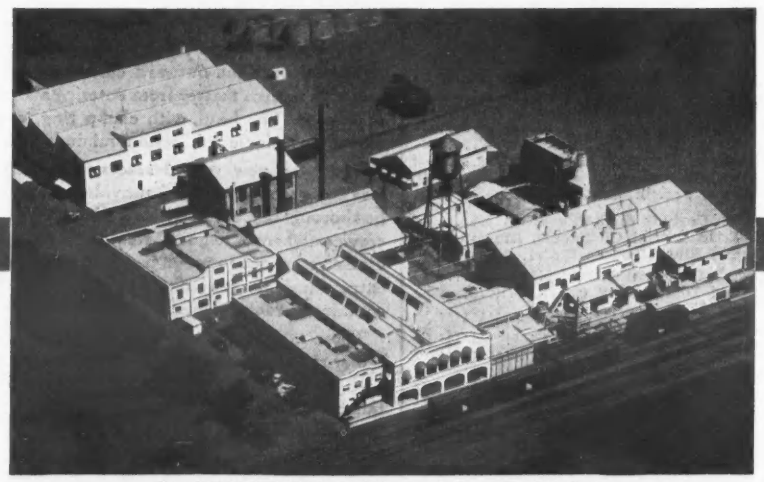

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